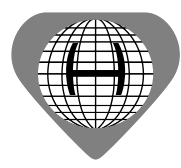
OMRON 705IT



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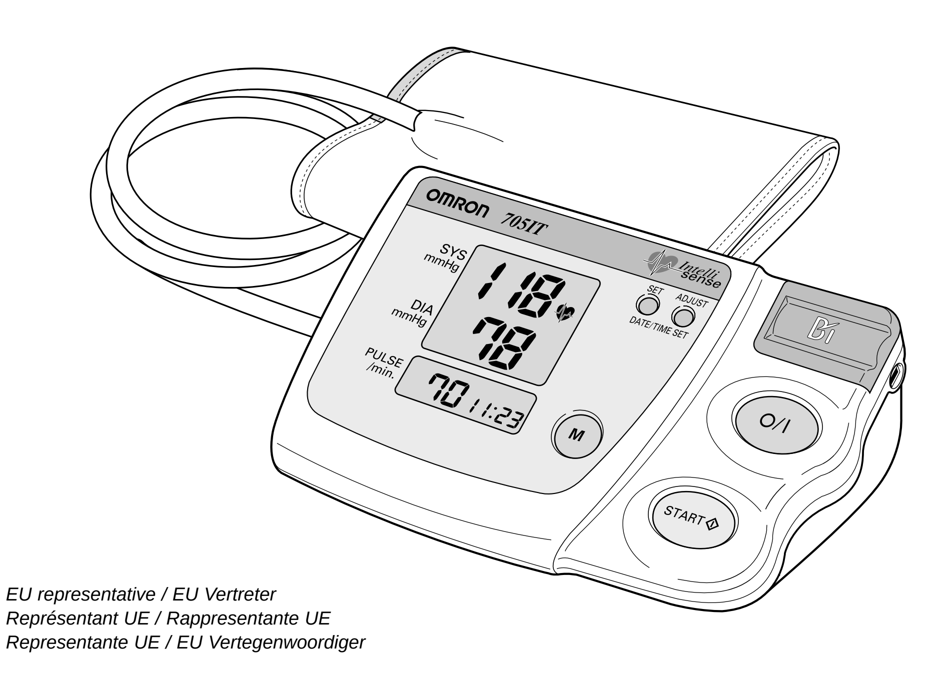
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EU representative / EU Vertreter
Représentant UE / Rappresentante UE
Representante UE / EU Vertegenwoordiger

OMRON Healthcare Europe B.V.
Kruisweg 577
2132 NA Hoofddorp

Fully automatic blood pressure monitor

705IT Int-0-0

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Dear Customer

Thank you for purchasing an OMRON product. You can be sure you have made a wise choice. By buying the OMRON 705IT blood pressure monitor, you have chosen a high-quality, innovative instrument for health monitoring. During its development, particular emphasis was placed upon reliability and ease of use. **Before using for the first time, please read through this manual carefully.** If you should still have any questions regarding its use, please contact the OMRON distributor at the given address on the packaging. They will be pleased to help you.

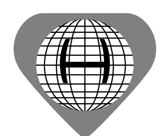
Best wishes for a healthy future.
Yours sincerely,

OMRON HEALTHCARE

Regular blood pressure monitoring is essential for the prevention, the control and the management of hypertension. It also helps to support the doctors' work.

The World Hypertension League is a world-wide association of experts specialising in hypertension. The World Hypertension League recommends regular blood pressure monitoring by doctors and patients with clinically validated devices.

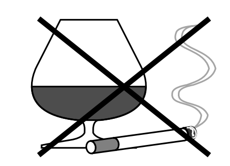
As the worlds leading manufacturer OMRON provides a range of products for regular blood pressure monitoring.

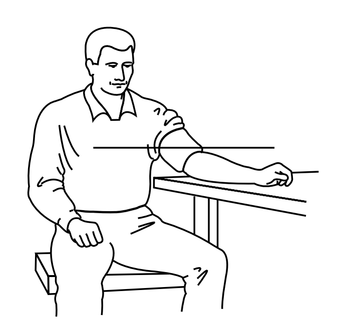


The World Hypertension League recommends regular blood pressure monitoring by doctors and patients with clinically validated devices

Important instructions to help you obtain meaningful readings

- **Important:** Blood pressure measurement is not suitable in cases of serious arteriosclerosis (hardening of the arteries).
- The pulse display is not suitable for monitoring the frequency of cardiac pacemakers.
- If you suffer from disorders of heart rhythm, known as arrythmia, you should only use this blood pressure monitor in consultation with your doctor. In certain cases the oscillometric measuring method can produce incorrect readings.
- Pregnant women should only measure their own blood pressure in consultation with their doctor, since the readings may be changed by pregnancy.
- You should avoid eating, drinking (alcohol), smoking and sports before measuring your blood pressure, as this could affect your blood pressure level.
- Don’t move, don’t speak while measurement is being taken.
- Make yourself comfortable in a chair and relax before each reading.
- We recommend that you monitor your blood pressure twice a day, in the morning after getting up and in the evening after work, or as advised by your doctor.
- **Please remember: Self-measurement is not the same as medical treatment !**
  You should never change the dose of medicines prescribed by your doctor.





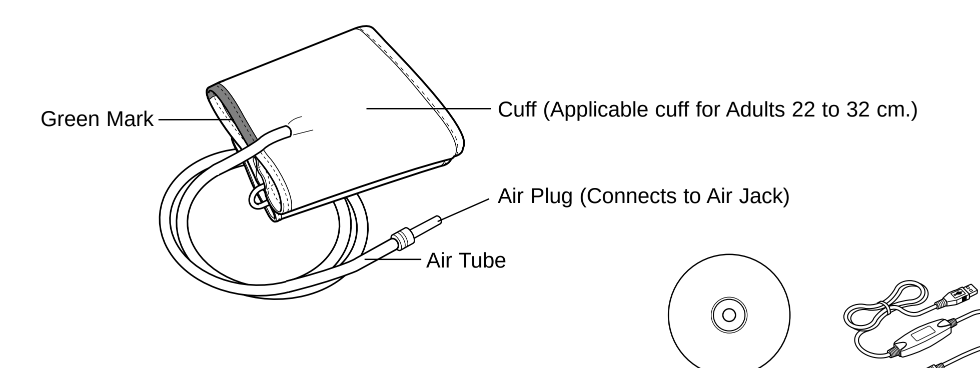
Your blood pressure monitor: the benefits

OMRON 705IT is a compact, fully automatic blood pressure monitor, operating on the oscillometric principle. It measures your blood pressure and pulse rate simply and quickly. It contains an intelligent "fuzzy logic" system for controlled inflation, known as "Intellisense". This is an advanced method of oscillometric measurement and does not require pressure pre-setting or re-inflation. OMRON is the world's leading manufacturer of blood pressure monitors with the goal to always fulfill the need for reliable regular monitoring.

Intelli™ sense

Set Button
Adjust Button
Heart Symbol
AC Adapter Jack
USB Connector
Systolic Blood Pressure
Diastolic Blood Pressure
Air Jack
ON/OFF (O/I) button
START (◈) button
Pulse Rate
Date/Time Display
Memory recall Button

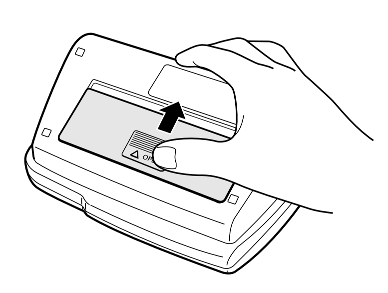
OMRON 705IT
SYS mmHg 118
DIA mmHg 78
PULSE /min. 70 AM 11:28
SET ADJUST DATE/TIME SET
O/I
M
START

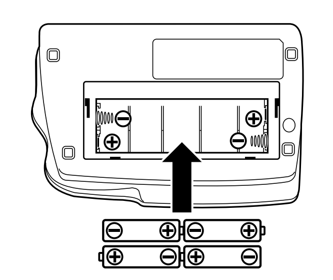


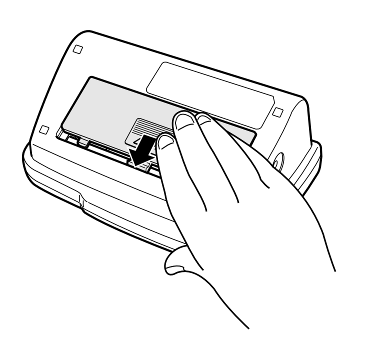
CD-ROM

USB Cable

Battery installation / replacement







❶ Slide the battery cover off in the direction of the arrow.

❷ Install or replace 4 "LR6" batteries so the + (positive) and – (negative) polarities match the polarities of the battery compartment as indicated.

❸ Replace the battery cover.

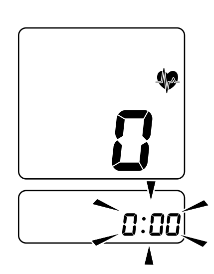
NOTES :

If the Low Battery Indicator (⊠) appears on the display, replace all four batteries. Long-life alkaline batteries are recommended.

Remove the batteries if the monitor will not be used for an extended period of time.

Replace batteries within 30 seconds. If the batteries remain removed longer than that time, the set date and time will be deleted.

How to set time and date

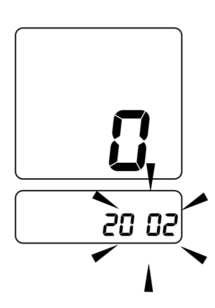


❶ When the batteries are installed, the display will show 0:00.

❷ Press and hold the SET button.
The year digits (2002) will flash.

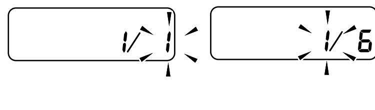
DATE/TIME SET
SET ADJUST

❸ Press the ADJUST button to advance the digit(s) one at a time.
If you hold down the ADJUST button, the digits will advance rapidly.



❹ Press SET button when desired number is on the display to lock setting.

❺ Repeat Step 3-4 for month and date.



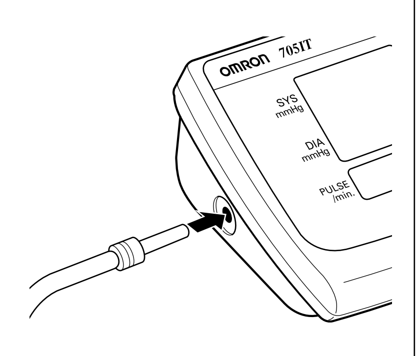
❻ Repeat Step 3-4 for hour and minutes.



How to apply the cuff

(when wrapping on your left arm)

• *You can wrap the cuff either on your right or left arm.*

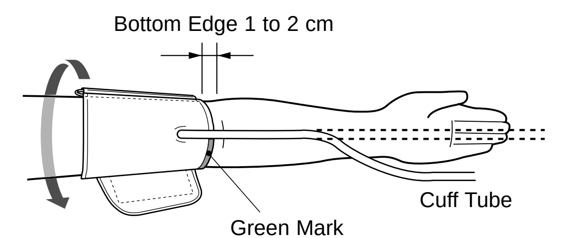


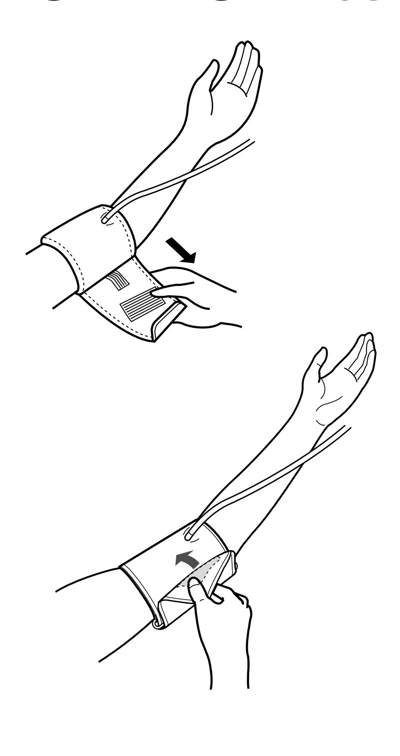
❶ Insert air tube to air jack (on the left side of the divice). The cuff must be airless.

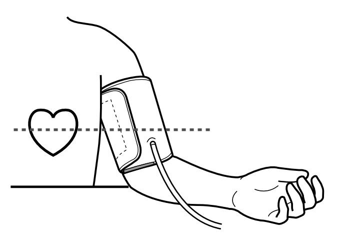
❷ Remove tight-fitting clothing from your upper arm.

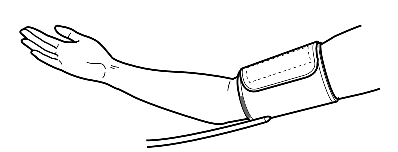
❸ Sit in a chair with your feet flat on the floor and place your arm on a table so that the cuff is at the same level as your heart.

❹ Put your arm through the cuff loop. The bottom of the cuff should be approximately 1 to 2 cm above the elbow. The green marker on the cuff should lie over the brachial artery on the inside of the arm. The tube should run down centre of arm approximately even with middle finger.









Right hand measurement

❺ Pull the cuff so that the top and bottom edges are tightened evenly around your arm.

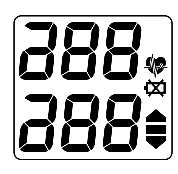
❻ When the cuff is positioned correctly, close the velcro fastener FIRMLY.

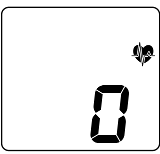
❼ Make certain the cuff fits snugly around your arm. The cuff should make good contact with your skin. **You should be able to fit your index finger between the cuff and your arm easily, so you can pull the cuff off and on.**

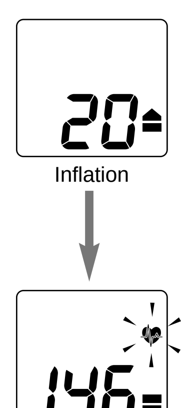
❽ Relax your arm and turn your palm upward.

❾ Be sure there are no kinks in the air tubing.

How to take a reading







Inflation

Deflation

❶ Press the (O/I) button.

a) All display symbols appear for approximately one second.

b) When the monitor becomes ready to measure, the (♥) symbol appears on the display.

❷ Press the (START ◇) button and remain still.

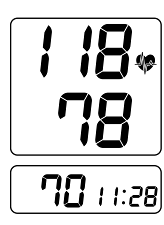
As the cuff begins to inflate, the monitor automatically determines your ideal inflation level. Because this monitor detects the pulse even during inflation, do not move your arm but remain still until the entire measurement completes.

- If you want to stop the inflation or measurement, press the (O/I) button. The monitor will stop inflating and start deflating rapidly, then the monitor will turn off.



❸ Inflation stops automatically and measurement is started.

As the cuff slowly deflates, decreasing numbers appear on the display and the (♥) symbol flashes at every heartbeat. In rare circumstances, a higher inflation may be necessary. In those cases, the monitor reinflates the cuff up to 30 mmHg higher than initial inflation and restarts the measurement.



❹ When the measurement is complete, the cuff completely deflates and your blood pressure and pulse rate are displayed.

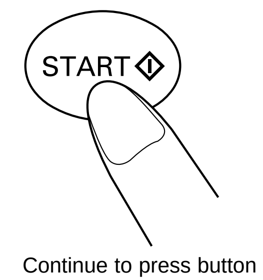
NOTE :
The monitor automatically stores blood pressure and pulse rate into the memory.

- When 28 sets of readings are stored in memory, the oldest set will be deleted to store a new set.

❺ Press the (O/I) button to turn the monitor off.

NOTE :
If you forget to turn the monitor off, it will automatically shut itself off after five minutes.

Instructions for special conditions:



Continue to press button

- If your systolic pressure is known to be more than 220 mmHg, press and hold the (START) button until the monitor inflates 30 to 40 mmHg higher than your suspected systolic pressure.

NOTE :

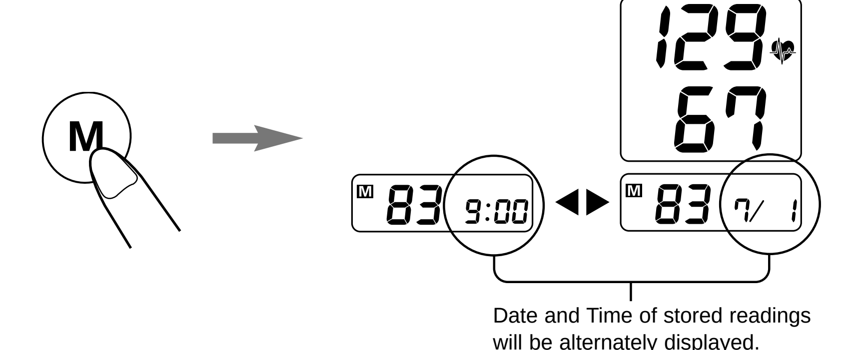
Do not apply more pressure than necessary.

The monitor will not inflate above 300 mmHg.

How to use the memory function

This monitor has a memory capable of storing 28 sets of readings. Every time you complete the measurement, the monitor automatically stores blood pressure and pulse rate.

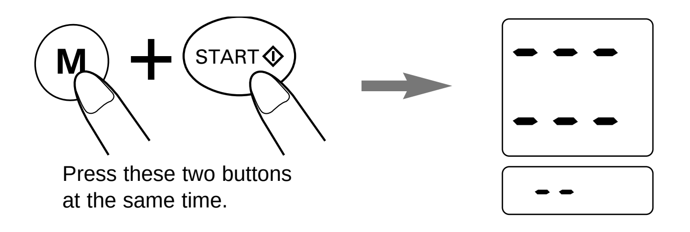
- Turn on the monitor by pressing the (O/I) button.
- Press the (M) button to recall stored readings while the ( ) symbol is displayed.



Date and Time of stored readings will be alternately displayed.

- To delete all the stored readings, press the (M) button and the (START) button simultaneously.

NOTE :
You can not delete the stored readings partially.



Press these two buttons at the same time.

How to use the computer interface

This blood pressure monitor has a computer interface and is supplied with software to transfer the memory of the blood pressure monitor to your personal computer.

Required operating environment
The following operating environment is required to operate the communication software as supplied on the CD-ROM.

Personal computer	:	PC/AT compatible with CPU of 80486 or above or with any Pentium processor.
OS	:	Windows 98SE/ME/XP/2000
Memory (RAM)	:	16 MB or more
Hard disk	:	Free area of 10 MB or more is necessary
Display	:	640 x 480 pixels or more
Disk drive	:	CD-ROM drive
Connection port	:	Free USB connection port

How to install the software

1) Turn on your personal computer
......Your Windows™ desktop is displayed
2) Insert the CD-ROM in the disk drive
3) Open the control panel
- Click the “Start” button.
- Point the mouse pointer to “Settings” on the menu.
- Click “Control Panel”

4) Open the “Add/Remove Programs” by double clicking the icon
5) Execute the installation
- Click the “install button”
- Follow the instructions
- The software is installed on your personal computer

How to uninstall the software

1) Open the control panel
- Click the “Start” button
- Choose “Settings”
- Click “Control Panel”

2) Open the “Add/Remove Prograns” icon by double clicking
3) Delete the application
- Click “BPFile” from the list
- Click the Add/Remove button
- .....The confirmation screen is displayed
- Click “Yes”
- .....”BPFile” is deleted
- Click “OK”

How to connect your 705IT blood pressure monitor to your PC

Connect your 705IT blood pressure monitor with your PC using the included USB cable. The mini USB connector (small connector) should be connected to your 705IT blood pressure monitor and the normal USB connector (large connector) should be plugged into your personal computer.
Please ensure you connect the USB cable the correct way to your 705IT blood pressure monitor, with the [O] symbol facing upwards.

How to use the software

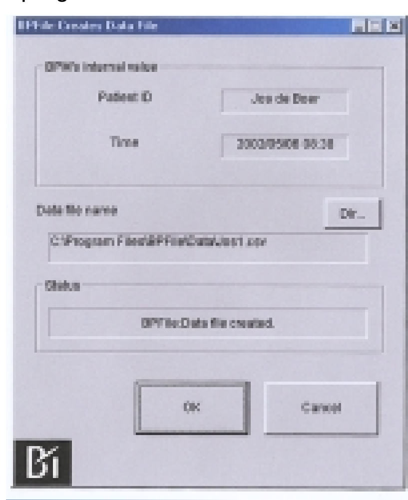
Open the BPFile application from the program list or your desktop and the following screen is shown on the screen.



- By pressing the "DATA" button you are able to transfer the memory of your 705IT blood pressure monitor to your personal computer.
- By pressing the "TIME" button you are able to set the date and time in your 705IT blood pressure monitor.
- By pressing the "ID" button you are able to set your personal name in your 705IT blood pressure monitor.
- By pressing the "CLOSE" button you can close the program.

How to create a data file

- Press the "DATA" button on your screen
- Press the "Dir" button on your screen and name the file.
- Press "OK"
- The file can be opened in most windows programs like Excel, Word

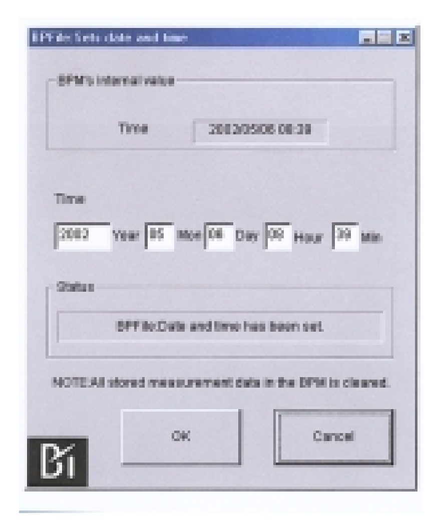


How to set the time

- Press the "TIME" button on your screen.

...The time and date are read from your 705IT blood pressure monitor

- Change the time and date if applicable in the white field

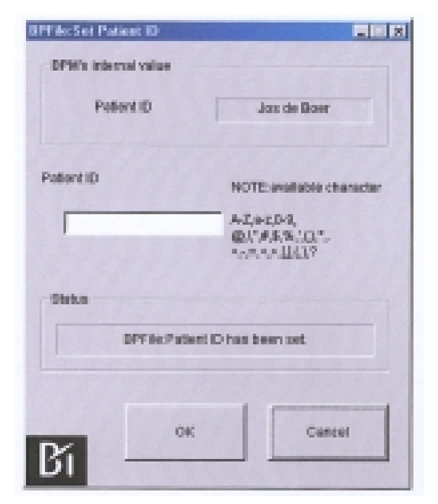


How to set a patient ID in your 705IT blood pressure monitor

- Press the "ID" button on your screen

...The current patient ID is shown

- Change the patient ID if applicable in the white field



Hints on taking blood pressure readings

- Before measuring, stretch your back and sit up straight, breath normally 5-6 times, relax your shoulders, arms and entire body.
- Slightly bend and support your elbow (e.g. on a table).
- Do not move, talk or touch the device during measurement.
- Stress influences your blood pressure, so try to relax before taking a measurement.
- To compare results, measurements must always be taken from the same arm.
- Do not place the cuff over thick clothes and do not roll up your sleeve if it is too tight.
- Align the cuff with the height of your heart (breast height). If necessary use a pillow or cushion.
- Coldness raises your blood pressure. It is recommended to measure at room temperature (+20°C).
- Relax before measurement. If necessary go to the bathroom before measurement.
- Do not measure directly after bathing.
- If you wish to interrupt measurement prematurely, press the (O/I) button. Inflation is stopped and the air is automatically released from the cuff.
- Blood pressure measurements taken in a moving vehicle may be influenced by vibration.
- If an error has occurred during measurement E is displayed. Please refer to the next chapter.
- The monitor should be switched off after measurement to avoid running down the batteries unnecessarily. If you forget to do so, the monitor switches itself off automatically after 5 minutes.

Failure, causes and rectification

Failure and their possible causes	Rectification
Incorrect measurement is indicated by E	
1. A correct reading could not be obtained because measurement was disturbed by movement of the body.	1. Repeat the measurement keeping perfectly still. Do not move your arm and do not speak.
2. The cuff is not fitted correctly.	2. Check that the cuff is correctly fitted. Then repeat the measurement.
3. Your clothing has constricted your blood flow.	3. Remove the item of clothing which caused the constriction.
4. There is still air in the cuff when the monitor is switched off.	4. The unit may be defective. Please have it examined and, if necessary, repaired by OMRON.
The (START ◈) button was pressed before the (♥) symbol was displayed.	Wait for the (♥) symbol indicating readiness before you press the (START ◈) button.
The blood pressure values displayed are extremely low or high, or they are implausible.	Refer to the instructions and then repeat the measurement.
The display does not light up when the (START ◈) button is pressed.	
1. The batteries are exhausted.	1. Check the batteries and, if necessary, fit 4 new batteries.
2. The +/- poles of the batteries have been reversed.	2. Reinsert the batteries with the +/- poles the right way round.
3. The battery contacts are dirty.	3. Clean the battery contacts with a dry cloth.
The batteries are weak or exhausted.	Fit new batteries.
The cuff pressure does not rise although the pump motor can be heard.	Check that the air tube is properly connected to the monitor. Push the tube connector firmly into the socket.
Er problem with mem. function	Contact your Omron retailer or distributor.

Maintenance and storage

- For cleaning the monitor only use a soft, lightly moistened cloth.
  Do not use petroleum spirits, thinners or similar solvents !
- Stains on the cuff can be carefully removed using a moist cloth and soapy water.
  Do not wash the cuff or make it wet !
- Keep your blood pressure monitor in the storage case to protect it from dust and moisture.
- Protect your monitor against vibrations and do not leave it in a place where temperatures are extremely low (below -20°C) or extremely high (above 60°C) or with high humidity (+ 85%).
- Do not use your monitor at very low temperatures (below 10°C) or very high temperatures (above 40°C).
- Do not fold the cuff or air tube together too tightly and do not crease them.
- Do not carry out repairs of any kind yourself.
  If a defect occurs, consult the OMRON distributor or Customer Services or seek the advice of your surgical appliance stockist or pharmacist.
- The accuracy of this blood pressure monitor is designed to last a long time.
- In order to increase the lifetime of the batteries take them out when you store the device for a longer period than 2 months.
- Electro-magnetic fields can influence the measurement. Do not use a portable phone near this unit.

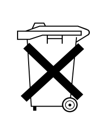
Technical data

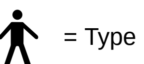
This device fulfils the provisions of the EC directive 93/42/EEC (Medical Device Directive). This blood pressure monitor is designed according to the European standard EN1060, Non-invasive sphygmomanometers Part 1: General requirements and Part 3: Supplementary requirements for electromechanical blood pressure measuring systems.

Model:	OMRON 705IT
Display:	LCD digital display
Blood Pressure Measurement Range:	Pressure: 0 mm Hg to 299 mm Hg Pulse: 40 – 180/min.
Accuracy:	Pressure: ±3 mm Hg Pulse: ±5% of reading
Memory:	28 measurements
Inflation:	Fuzzy-Logic controlled by electric pump
Deflation:	Automatic pressure release valve
Pressure Detection:	Capacitive pressure sensor
Measurement Method:	Oscillometric method
Power Source:	4 Alkaline batteries 1.5V (Type LR6) or AC/DC adapter (optional, 6V = 4W)
Battery Life:	Capacity of new batteries is approx. 300 measurements
Operating Temperature:	10°C to 40°C
Storage Temperature:	-20°C to 60°C
Humidity:	15 to 90% RH maximum
Storage humidity:	10 to 95% RH maximum
Console Weight:	Approximately 380g without batteries
Outer Dimensions:	Approximately 115 (l) mm x 177 (w) mm x 71 (h) mm
Cuff Dimensions:	Approximately 140 mm x 480 mm (arm circumference 22 – 32 cm)
Accessories:	Medium cuff, CD-ROM, USB cable, instruction manual, storage case, battery set

NOTE: Subject to technical modification without prior notice

- Disposal of this product and used batteries should be carried out in accordance with the national regulations for the disposal of electronic products.

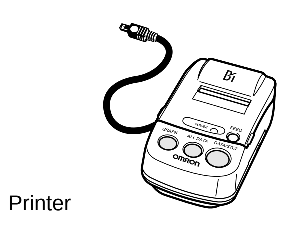


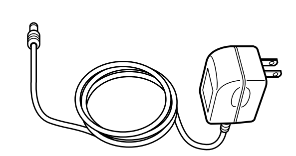


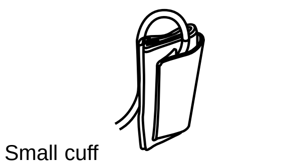
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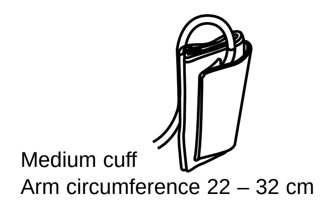
CE 0197

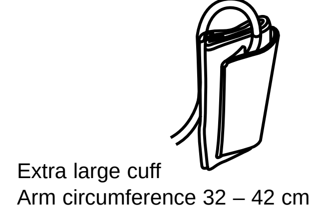
OMRON spare parts


Printer


AC adapter


Small cuff
Arm circumference 17 – 22 cm


Medium cuff
Arm circumference 22 – 32 cm


Extra large cuff
Arm circumference 32 – 42 cm

Calibration

The accuracy of this blood pressure monitor has been carefully tested and is designed for a long service life. It is generally recommended to have the monitor inspected every two years to ensure correct functioning and accuracy. Please consult your authorised dealer or the OMRON Customer Service at the address given on the packaging/attached literature.

OMRON devices are especially designed for regular blood pressure monitoring. OMRON therefore has direct contact with medical specialists and takes advice, on the design and features of its blood pressure monitors.

Spare parts & accessories

Due to high company quality standards, OMRON considers the main unit as a non-serviceable part because of the necessity of proper calibration after replacement of high-tech components.

Some useful information about blood pressure

What is Blood Pressure ?

Blood pressure is a measure of the force of blood flowing against the walls of the arteries. Arterial blood pressure is constantly changing during the course of the heart’s cycle. The highest pressure in the cycle is called the SYSTOLIC BLOOD PRESSURE; the lowest is the DIASTOLIC BLOOD PRESSURE. Both pressure readings, the SYSTOLIC and DIASTOLIC, are necessary to enable a doctor to evaluate the status of a patient’s blood pressure.

Many factors such as physical activity, anxiety, or the time of day, can influence your blood pressure. Blood pressure is typically low in the morning and increases from afternoon to evening. It is lower in the summer and higher in the winter.

Blood pressure is measured in millimetres of mercury (mmHg) and measurements are written with the systolic pressure before the diastolic e.g. A blood pressure written as 140/90, is referred to as 140 over 90 mmHg.

High Blood Pressure

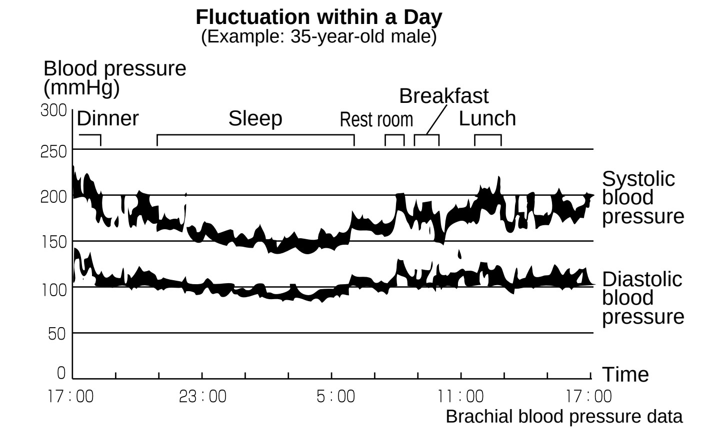
The discovery that you have high blood pressure is more often than not a chance finding. People with high blood pressure usually feel well unless the blood pressure has been high for some time, and complications have occurred. Such complications may effect the heart, brain and other important organs. They may bring on ill health and affect your enjoyment of life. It is because of the complications, rather than the high blood pressure itself, that this condition is taken so seriously today.

High blood pressure is sometimes referred to as raised blood pressure, elevated blood pressure, or hypertension. Most people with this condition require regular long-term drug treatment, usually in the form of tablets. Some can lower their blood pressure sufficiently by other means, such as changing diet and life-style.
People who have high blood pressure, and who also understand their condition, have an advantage. They are more likely to attend for regular check-ups, to cooperate with advised diets and changes in lifestyle, and to take medicines correctly. This immediately leads to better health. It is hoped that, by a better understanding of high blood pressure and how it is treated, you will take an active and informed part in your health care, and so enjoy a better quality of life.

What Causes High Blood Pressure ?

Blood pressure is only classed as high if it doesn’t go down when you rest. Permanently raised blood pressure can be caused by several factors such as hardening of the arteries, smoking or drinking too much alcohol. It can also be caused by cholesterol, a type of fat, building up inside your blood vessels and making them narrower. Being under stress can add to the problem.

High blood pressure is also known to run in families hence if you find you have a high blood pressure it is a good idea to test other closely related members of your family.



Why is it a Good Thing To Measure Blood Pressure at Home ?

Having your blood pressure measured by a doctor can cause anxiety which is a cause itself of high blood pressure. As a variety of conditions affect blood pressure, a single measurement may not be sufficient for an accurate diagnosis.

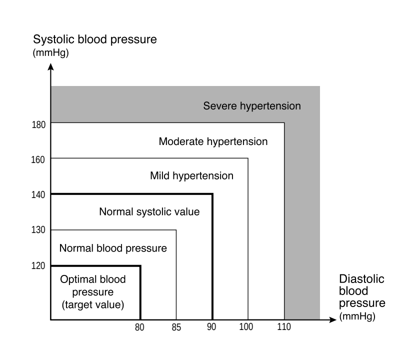
The blood pressure measured first thing in the morning after getting up, before eating and while at rest, is known as the fundamental blood pressure. In practice it is rather difficult to record the fundamental blood pressure, but it is important to get readings in an environment that is as close as possible to this.

Classification of Blood Pressure by the World Heath Organization

The World Health Organization (WHO) and the International Society of Hypertention (ISH) developed the Blood Pressure Classification shown in this figure.

This classification is based on the blood presure values measured on people in a sitting position in outpatient departments of hospitals.

**There is no universally accepted definition of hypotension. However, those having the systolic pressure below 100 mmHg are assumed as hypotensive.*



According to the blood pressure classification by the WHO/ISH* (revised in 1999)
* International Society of Hypertension

R7

OMRON

Automatic
Blood Pressure Monitor



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All for Healthcare

IM-HEM-637-E7-01-12/2011
5329374-8C

R7

OMRON

Automatic
Blood Pressure Monitor



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A Good Sense of Health

IM-HEM-637-E2-03-10/2010
5329374-8B

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Dear Customer,
Thank you for purchasing this OMRON product. OMRON products are known for their reliability and advanced technology. By buying this OMRON R7 wrist blood pressure monitor with position sensor you have chosen for a high quality and innovative instrument. We hope that you will be fully satisfied with your new blood pressure monitor. Please take your time to read this instruction manual carefully before using it for the first time. If you still have questions please contact your OMRON dealer or the distributor as mentioned on the packaging. They will be pleased to help you.

We wish you a healthy future!

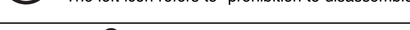
Before measuring your Blood Pressure

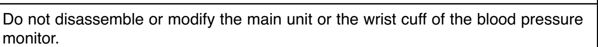
Notes on Safety Please read thoroughly before using this monitor.

- The warning signs and the sample icons shown here are listed for you to use the product safely and correctly as well as to prevent the risk of damage to you and others.
- The icons and meanings are shown as follows.

Warning sign	Contents
⚠Caution	Indicates matters in which bodily harm or material damage* may arise as a result of incorrect handling.

* Material damage refers to a wide range of damage involving your house, household goods, domestic animals, and pets.

Examples of signs	
	The ⃠ icon indicates prohibitions (what you cannot do). Matters involving actual prohibitions are indicated by text or pictures in or near ⃠. The left icon refers to "prohibition to disassemble". 
	The ● icon indicates something compulsory (always follow). Matters involving actual compulsory actions are indicated by text or pictures in or near ●. The left icon refers to "general compulsion".

⚠ Caution	
Self-diagnosis of measured results and treatment are dangerous. Please follow the instructions of your doctor. • Self-diagnosis may worsen the disease. • When the arterial sclerosis proceeds due to diabetics, hyperlipemia, or hypertension, it may cause peripheral circulatory disturbance. For these cases, blood pressure may differ greatly between measurement at the wrist and the brachial.	
Do not use this monitor for the infant or the person who cannot express one's intention. • They may suffer accident or trouble. Do not use this monitor for purposes other than measuring blood pressure. • You may suffer accident or trouble. Do not use portable phones near this monitor. • The monitor may operate erroneously.	⃠
Do not disassemble or modify the main unit or the wrist cuff of the blood pressure monitor. • Correct measurement will be impossible. 	

Notes on safety

Important instructions for obtaining meaningful readings

- Avoid eating and drinking (alcohol), smoking, sport and taking medicines before measuring your blood pressure as this could affect your blood pressure level.
- Before you start sit comfortably on a chair and relax. It is recommended to check your blood pressure at least twice a day, in the morning after getting up and in the evening after work, or as advised by your doctor.
- Do not move and do not speak while the measurement is being taken. Avoid measuring your blood pressure while you are in a moving vehicle.
- Allow an interval of at least three minutes between readings. Otherwise congestion of blood might occur and distort the readings. Always remove the cuff between readings.
- Bare your wrist and take of your watch and jewellery before applying the cuff. Do not constrict the flow of your blood if you push up your sleeve.

Cautions

Blood pressure measurement is not suitable in case of serious arteriosclerosis (hardening of the arteries).

- The pulse rate indicator is not suitable for monitoring the frequency of cardiac pacemakers.
- If you suffer from disorders of heart rhythm, known as arrythmia, you should only use this blood pressure monitor in consultation with your doctor. In certain cases oscillometric measurement methods can produce incorrect readings.
- Pregnant women should only measure their own blood pressure in consultation with their doctor since the readings may be changed by the pregnancy.

Please remember: Self-measurement is not the same as medical treatment! You should never change the dose of medicines as prescribed by your doctor!

Before using your OMRON R7 for the first time

Your blood pressure monitor: the benefits

The OMRON R7 is a compact fully automatic wrist blood pressure monitor. Operating on the oscillometric principle it measures your blood pressure and pulse rate comfortable and quickly from the wrist. It contains an intelligent system for “fuzzy” controlled inflation, known as “Intellisense”. This is an advanced method of oscillometric measurement. No pre-setting of re-inflation is necessary.

The OMRON R7 has a Position Sensor. The Position Sensor is able to determine the optimal height of your wrist (heart level) for the blood pressure measurement. Measuring at the heart level is extremely important since measuring at a higher or lower position will give wrong results.

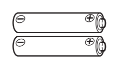
The OMRON R7 has a large DOT matrix display enabling you to enlarge the digits and showing you graphs. Together with the built in alarm function for same time measurements or pill intake your OMRON R7 is the optimal device to manage your blood pressure.

Main unit

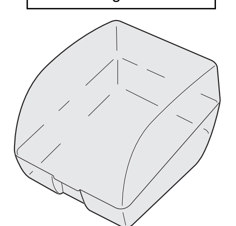


Batteries for monitoring

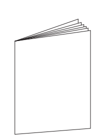
(Two LR03 alkaline batteries)



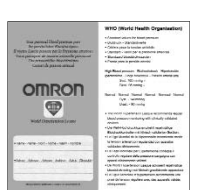
Storage case



Instruction Manual



Blood pressure pass

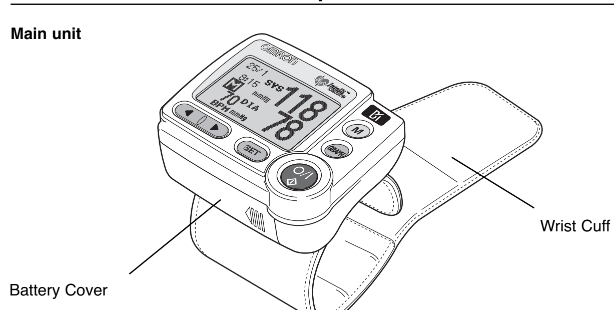


Guarantee card



Names and functions of the parts

Main unit



Systolic Blood Pressure Display

Diastolic Blood Pressure Display

Date/Time Display

M Mark
Displayed when a stored measurement is shown.

Pulse Display

◀ ▶ Button
Push ▶ to move the displayed item forward. Push ◀ to move the displayed item backward.

SETTING button
Push this button to set various items on the monitor such as time and date.

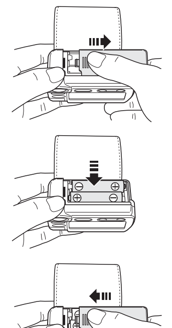
MEMORY RECALL button
Push this button to see the measured values stored in the monitor.

GRAPH CALL button
Push this button to see the graph.

ON/OFF button
Push this button to measure your blood pressure or to switch the monitor off.

How to insert the batteries

Use this monitor after inserting batteries in the main unit.

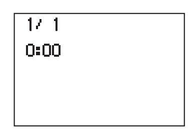


1. Open the battery compartment.
2. Insert the batteries (Type LR03 / AAA) as shown in the figure.
   Ensure the polarity (+/-) of the batteries is correct.
3. Close the battery cover.

With new batteries (long life alkaline batteries) you are able to measure app. 300 times under normal conditions. Please switch off the monitor after using it. If you forget to switch the monitor off it will switch off itself after app. 2 minutes. Please take the batteries out of the monitor if you intend not to use the monitor for a long period (app. 2 months).

How to set the Date and Time

Before using your OMRON R7 for the first time, you have to set the date and time. After turning the monitor on by pushing the on/off button the initial screen (see picture) will be available for a few seconds. After the initial screen you will proceed automatically to the TIME SET screen. (For instruction how to set the date and time refer also to page 16 in Chapter How to change the settings.)



Initial Screen



Time Screen

After reaching the time screen you will see the Gregorian calendar (year/day/month). The year will be flashing.
1. By using the (◀ ▶) buttons you can set the current year.
2. By pushing the SET button you will lock the year and proceed to the next item.

For setting the month, date and time repeat step 1 and 2. After setting the minutes you will proceed to the DELETE DATA screen. Please turn off your monitor by pushing the on/off button. Your OMRON R7 is ready for use now.

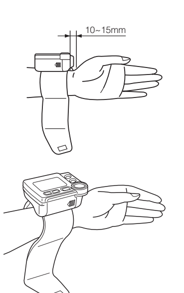
How to measure Blood Pressure correctly

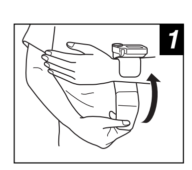
How to wrap the cuff

In order to measure your blood pressure correctly it is needed to wrap the cuff around your wrist in a correct way. If not, correct measurements are not possible. Please follow the coming instructions (left wrist):

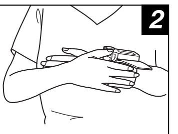
1) Make sure that your wrist is bare and will be wrapped over your skin.
2) Make sure that you clothing is not constraining the flow of your blood.
3) Make sure that the wrist (left or right) to measure is selected from the settings menu (see also page 15). The left wrist is preset.

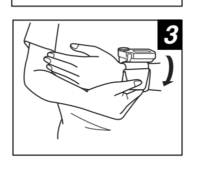
4) Place the cuff over your left wrist with your thumb facing upwards. Leave app 10-15 mm between the cuff and the bottom of the palm of your hand as shown in the figures.





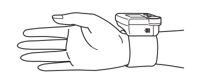
5) Pull the wrist cuff upward and close the cuff firmly with the Velcro tape as shown.





3

You can use your OMRON R7 also on your right hand after selecting right wrist measurement in the SETTING MODE.



People with a slender wrist (wrist circumference of less than 145mm) may feel loose because the cuff may not be wrapped firmly. Please do not force the cuff it will not affect the measurement.

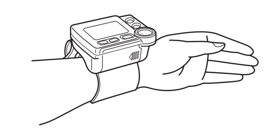
How to obtain a correct posture

Achieving a correct posture before measuring your blood pressure is important since an incorrect posture might give you incorrect readings. To achieve a correct posture please follow the instructions (see pictures):

1) Sit down and stretch your back.
2) Relax yourself by relieving the stress from your shoulders and arms.
3) Breath several times deeply and return to natural respiration.
4) Do not sustain your wrist with your other hand and avoid stress in your hand by making firm grips or large extensions.

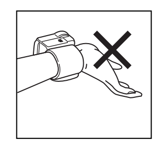
Correct Posture

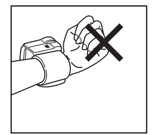


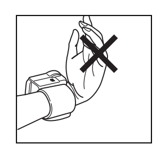


Incorrect Posture





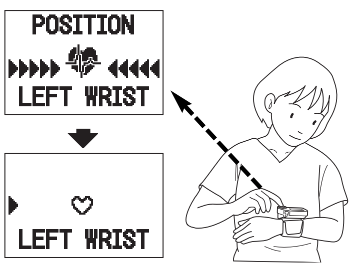




Measuring your blood pressure and pulse

If you have achieved the correct posture you can start the measurement. When you measure for the first time the Position Sensor and the Signal will be ON and measuring at the left wrist will be pre set.

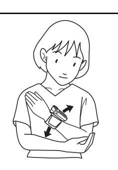
Push the on/off button to activate your OMRON R7 and the Position Sensor Screen will be displayed.



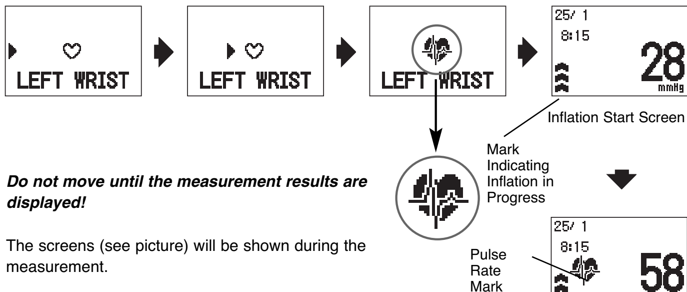
How to measure Blood Pressure

Sustain your elbow with your other hand or a table to avoid movement.





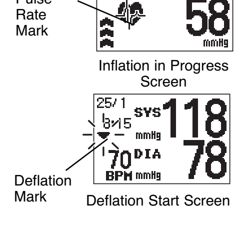
• Adjust the height of your wrist by using your elbow as a fulcrum. When the (◀ ▶) will reach the (♡) sign you will hear a beeping sound indicating that your blood pressure monitor is at the correct height (heart height). The (♡) sign will change in the ([pulse mark]) sign and the measurement will start.



Inflation Start Screen

Do not move until the measurement results are displayed!

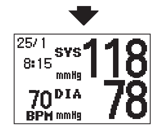
The screens (see picture) will be shown during the measurement.



Inflation in Progress Screen

Deflation Start Screen

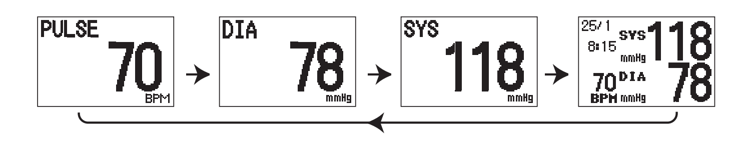
When the measurement is finishes, the deflation mark (▼) flashed and the cuff deflates.



Measurement Results Display Screen

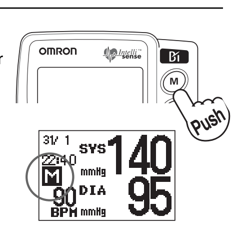
How to enlarge the reading

The results will be shown on your display. By pushing the (◀ ▶) buttons you can enlarge the readings.

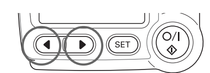


How to use the Memory function

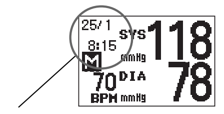
Your OMRON R7 blood pressure monitor is able to store maximum 90 measurements including date and time. When your blood pressure monitor is holding 90 measurements the oldest will be deleted to store a new measurement.



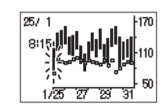
Press the (M) memory button when your blood pressure monitor is switched off. The latest measurement will be displayed.
Each time you push (▶) button an earlier measurement will be displayed. By pushing the (◀) button a later reading is displayed.



By pushing the GRAPH button the selected measurement is displayed in a weekly graph (see also How to use the graph function). Push the memory button to return to the memory display again.



Date and Time of Measurement



How to use the Graph function

This monitor has the possibility to display the stored measurements as a graph. In order to get a clear history of your blood pressure the measurements are put in time zones:

- Morning: Measurements made between 0:00 and 9:59
- Daytime: Measurements made between 10:00 and 17:59
- Evening: Measurements made between 18:00 and 23:59

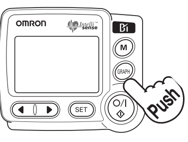
The last measurement in each time zone will be displayed. For example if you measure 3 times in the same time zone on the same day only the third reading will be displayed. On the other hand all readings will be stored in the memory (See also page 11).

There are three different graphs available:

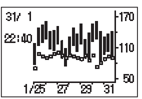
- All data graph: displays all measurements per week
- Morning data graph: displays all morning measurements per week
- Evening data graph: displays all evening measurements per week

No graph display is provided for daytime data only.

To display the graph push the GRAPH CALL button.

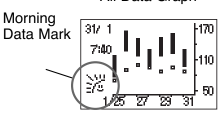


All Data Graph is displayed.



All Data Graph

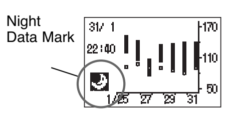
Push the GRAPH CALL button again to display the Morning Data Graph.



Morning Data graph

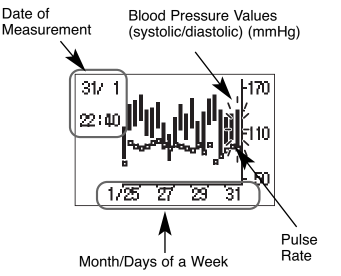
Push the GRAPH CALL button again to display the Evening Data Graph.

Each time you push the GRAPH CALL button, All, Morning, and Evening data are displayed in that order repeatedly.

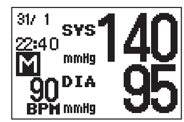


Night Data Graph

Explanation of the graph display
When the GRAPH button is pushed the latest measurement will appear in a flashing display. In the example the measurement is made on January 31 at 22:40. The graph shows 140 mmHg for systolic and 95 mmHg for diastolic (top and bottom of vertical bar) and a pulse rate of 90 beats a minute.

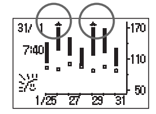


When you push the memory button in the graph display the details of the measurement will appear. Pushing the graph button again will bring you back the graph display. You can use (◀ ▶) the arrows in the graph and memory display to leaf through the measurements.

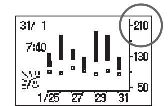


Detail Screen of Data in Flashing Display

The systolic blood pressure is higher than 170mmHg
When a systolic blood pressure above 170 mmHg is measured twice the (▲) symbol is displayed in the graph.
When a systolic blood pressure above 170 mmHg is measured three times the (▲) symbol disappears and the screen automatically changes to the “hypertension display”. The maximum displayed blood pressure value (y-axis) will change from 170 mmHg to 210 mmHg.



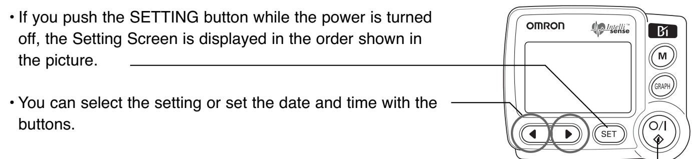
Display screen where the systolic blood pressure values higher than 170 mmHg are measured twice



Graph Display Screen of Hypertension Type

How to change the settings

The settings of your OMRON R7 blood pressure monitor can be changed according to your own preferences and comfort.
To enter the setting menu please press the SET button when your blood pressure monitor is switched off. By using (◀ ▶) you can select your preference. By pressing the SET button again you lock your preference and proceed to the next item as shown in the figure. The on/off button can be used to switch the monitor off again.



- If you push the SETTING button while the power is turned off, the Setting Screen is displayed in the order shown in the picture.
- You can select the setting or set the date and time with the buttons.
- To finish the setting, push the on/off button.

Automatic Memory Setting
(Refer to Page 14.)

AUTO MEMORY
▸ON OFF

Position Sensor Setting
(Refer to Page 15.)

POSITION SENSOR
▸ON OFF
SIGNAL
▸ON OFF

Measuring (Wrist) Setting
(Refer to Page 15.)

WRIST
▸LEFT RIGHT

Alarm Setting
(Refer to Page 15.)

ALARM SET
8:00
20:00

Time Setting
(Refer to Page 16.)

TIME SET
2002 1/ 1
0:00

All Memory Erasure
(Refer to Page 16.)

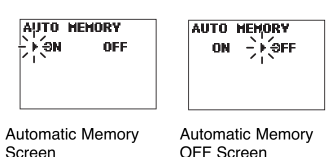
DELETE DATA
YES ▸NO

Reset Settings
(Refer to Page 16.)

RESET SETTING
YES ▸NO

Auto memory

You can either enable (ON) or disable (OFF) the memory function of your blood pressure. When the auto memory function is switched off the measurement will not be stored. When using your OMRON R7 monitor with more than one person it is recommended to disable the auto memory function. The auto memory function mode is ON when you purchased your OMRON R7 (factory preset).

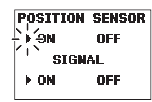


Automatic Memory Screen

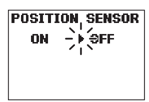
Automatic Memory OFF Screen

Position sensor

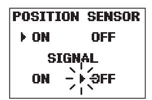
The position sensor of your OMRON R7 can be switched ON or OFF. In the factory preset the position sensor is enabled. If the position sensor is switched ON you can choose to have the optimal wrist height supported by an acoustic sound (SIGNAL ON or OFF).



Position Sensor Screen



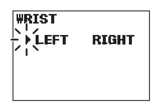
Position Sensor OFF Screen



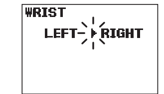
Position Sensor ON and SIGNAL OFF Screen

Left or right wrist measurement

Normally blood pressure is measured on the left wrist (factory preset). With your OMRON R7 you can choose to use the monitor either on your left or right wrist. It is recommended to use the same wrist when for optimal comparisons of your blood pressure fluctuations.



Measuring (Wrist) Screen



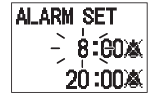
Measuring (Wrist) Right Wrist Screen

Alarm

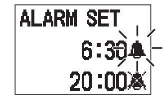
Your blood pressure monitor has the possibility to set an alarm twice a day. The alarm function can be used to monitor your blood pressure at the same time every day or as a reminder for pill intake.

The alarm will sound for 2 minutes. By pushing the on/off button the alarm will stop. The alarm will not sound when the blood pressure monitor is used (e.g. for measuring or graph display) at the moment the alarm is set.

You can set the requested hour by pushing (◀ ▶) when flashing. Press SET to lock the hour and proceed with the minutes. By pushing the (◀ ▶) you can set the minutes. Press SET to confirm and to proceed. Push either (◀ ▶) to enable (🔔) or disable (🔕) the alarm. Press SET to lock the settings.



Alarm Screen





Screen of indicating that the alarm is sounding

Time

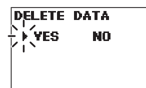
You can change the time and date setting of your blood pressure monitor. When reaching the time screen you will see the Gregorian calendar. The year will be flashing.

1. By using the (◀ ▶) buttons you can set the current year.
2. By pushing the SET button you will lock the year and proceed to the next setting.

For setting the month, date and time repeat step 1 and 2. After setting the minutes you will proceed to the DELETE DATA screen.

TIME SET
2002 1/ 1
0:00

Time Screen



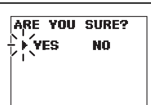
All Memory Erasure YES Screen

Delete data

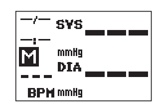
In this screen you are able to delete all stored measurement from you OMRON R7. Please be careful that deleted data cannot be restored. The factory preset is NO. If you choose YES the monitor will ask for a confirmation “ARE YOU SURE?”. To cancel select NO to confirm DELETE DATA select YES.

After deleting all stored measurements the “Data Deleted Screen” will be shown. All the stored measurements are deleted and the monitor will be turned off.

If the stored measurements are not deleted you will proceed to the RESET SETTINGS screen.



Are You Sure YES Screen

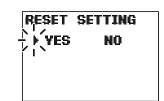


Data Deleted (Blank) Screen

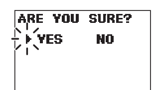
Reset settings

In this menu you can choose to reset all the settings to the “factory preset” settings. The factory preset for this menu is NO. If you choose YES by using the (◀) button the monitor will ask you for a confirmation “ARE YOU SURE?” After confirmation by selecting YES all the settings will be changed to the factory mode.

The monitor will return to the AUTO MEMORY SCREEN. You can turn off your monitor by pushing the on/off button.



Reset Settings YES Screen



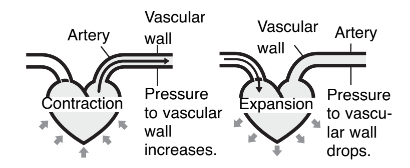
Are You Sure YES Screen

What is Blood Pressure?

Blood is pumped to artery by the beat (contraction and expansion) of a pump called the heart. The pressure to pump out blood to artery is called the "systolic blood pressure." The pressure when the heart expands as the blood having circulated the whole body returns is called the "diastolic blood pressure."

Health and blood pressure
Blood pressure fluctuates being affected by everyday life and age. Hypertension is a sign that can cause dangerous diseases such as cerebral apoplexy or myocardial infarction to occur easily.
By understanding the state of your blood pressure, review your health and lifestyle.

Systolic blood pressure	**Diastolic blood pressure**
Blood is pumped out.	Blood returns to heart.



Lifestyle
Excessive intake of salt,
Excessive consumption of alcohol,
Obesity, Lack of exercise



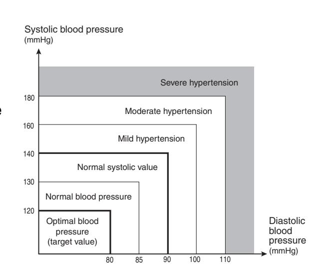
Hypertension

Arterial sclerosis
Danger of Cerebral apoplexy, Myocardial infarction

Hypertension guide

The World Health Organization (WHO) and the International Society of Hypertension (ISH) established the Blood Pressure Classification. Use this Classification as the guide to know the state of your blood pressure. However, if you are concerned with your blood pressure, be sure to follow the instructions of your doctor.

There is no universally accepted definition of hypotension. Generally speaking, those with the systolic pressure below 100 mmHg are considered to be hypotension.



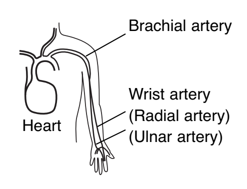
According to the blood pressure classification by the WHO/ISH* (revised in 1999)
* International Society of Hypertension

This classification is made based on the blood pressure values measured at upper arm by sitting on the chair in the hospital regardless of the age.

Blood pressure at the upper arm and wrist

Wrist Blood Pressure Monitor

Blood pressure is usually measured at brachial artery.
As the wrist arterial vessel is connected to the brachial vessel, wrist blood pressure values are close to brachial ones and reflect the change of brachial blood pressures. However in case there is a circulatory disorder such as arterial infarction, fairly large difference is observed between the brachial and the wrist blood pressure values.
After consulting with your doctor, use the wrist blood pressure together with the brachial pressure for your health management.



Diseases influencing blood pressure values
Diabetes, hyperlipemia, or hypertension accelerates arterial sclerosis, which causes dangerous disease such as cerebral apoplexy or myocardial infarction or induces arterial stenosis or peripheral circulatory disorder.
In these cases, the wrist and brachial blood pressure values may differ greatly. (Even in healthy people, a difference of 20 mmHg may occur if the measuring conditions are not proper. Therefore do not try to diagnose the measurement values by yourself, but be sure to follow the instructions of your doctor.)



In addition, difference of wrist and brachial blood pressure values may somewhat get affected by the physiological conditions at the time of measurement. However, the blood pressure values measured at wrist and upper arm usually fluctuate in the same manner. Therefore, you can check the fluctuation tendency of blood pressure by measuring the wrist blood pressure.

Differences between blood pressure measured at home and at the doctor's office
Normally blood pressure measured at home tends to be lower than when measured at the doctor's office. This can be as much as 20 mmHg due to that you feel more relaxed at home and feel slightly tense when visiting the doctor. To manage your blood pressure it is important to monitor and register your blood pressure at home.
Since blood pressure is fluctuating from beat to beat and is influenced by daily activities measurements can differ from measurement to measurement.

Maintenance and storage

- For cleaning the monitor only use a soft, lightly moistened cloth.
- **Do not use petroleum spirits, thinners or similar solvents!**
- Stains on the cuff can be carefully removed using a moist cloth and soapy water.
- **Do not wash the cuff or make it wet. Please make sure no water will enter the main unit!**
- Keep your monitor in the storage case protected from extreme temperatures and humidity.
- Do not carry out repairs of any kind yourself. If a defect occurs consult your OMRON dealer or distributor.
- Please take the batteries out if the monitor is not used for a long period (app. 2 months or more).
- Electro Magnetic fields can influence the measurement. Do not use a protable phone near the unit.

Disposal of this product and used batteries should be carried out in accordance with the national regulations for the disposal of electronic products.



Error indication

If the measurement is not made correctly, the following error can be displayed.

Error	Cause	How to correct
25/1 8:15 HEIGHT E 58 mmHg → 25/1 8:15 0 mmHg After several seconds	You moved your wrist during measurement.	Measure your blood pressure again without moving your wrist until the measurement is completed. (Refer to Page 10.)
25/1 8:15 E 58 mmHg → 25/1 8:15 0 mmHg After several seconds	You moved your arm or body, or talked during measurement.	Measure your blood pressure again without moving your arm or body. (Refer to Page 10.)
E E → 25/1 8:15 0 mmHg After several seconds	You moved your arm or body extensively during measurement.	Measure your blood pressure again without moving your arm or body. (Refer to Page 10.)
Battery replacement mark flashes.	Batteries are worn out.	Replace both batteries with new ones. (Refer to Page 6.)
E 025 Only E and numerals are displayed.	Trouble caused by abnormality in function.	Please contact the nearest OMRON dealer.

If you cannot resolve the problem even after taking the above-mentioned measures, please contact the nearest OMRON dealer.

Troubleshooting

Trouble	Possible cause	How to correct
Nothing is displayed when you push the on/off button.	Batteries are worn out.	Replace the batteries with new ones. (See to Page 6.)
	The directions of polarities of inserted batteries (+ and -) are wrong.	Insert the batteries correctly. (Refer to Page 6.)
Measurement cannot be made. Or the blood pressure values are displayed abnormally high (low).	The wrist cuff is not held at the level of the heart.	Measure your blood pressure again in correct posture. (Refer to Page 9.)
	The wrist cuff is not wrapped firmly.	Wrap the wrist cuff correctly. (Refer to Page 7.)
	Too much stress is applied on your shoulder or arm.	Relax yourself and make measurement.
	You are talking or moving your hands during measurement.	Be still and make measurement.
The blood pressure values differ from the values measured at brachial.	Refer to the section on "Wrist Blood Pressure Monitor." (Refer to Page 18.)	
Blood pressure values are displayed before the monitor inflates to the required value.	Air is leaking from the wrist cuff.	Contact the store where the unit was sold or the nearest OMRON distributor.
Blood pressure value fluctuates each time of measurement. Or the blood pressure values are displayed abnormally high (low).	Blood pressure value tends to fluctuate depending on the mental state during measurement or the measuring time. Breathe deeply to relax yourself and make measurement again. (Refer to Page 19.)	

If you cannot resolve the problem even after taking the above-mentioned measures, please contact the nearest OMRON dealer.

Spare parts and accessories

OMRON considers, due to the used high company and quality standards, the main unit as a non-serviceable part because of the necessity of proper calibration after replacement of high-tech components.
The cuff can be replaced by an authorised expert.

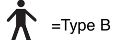
Specifications

Product Description :	Automatic Blood Pressure Monitor
Model :	R7 (HEM-637-E2 / HEM-637-E7)
Display :	Dot matrix LCDdisplay
Measurement :	Oscillometric method
Measurement Range :	Pressure; 0 to 299 mmHg, Pulse rate; 40 to 180 /min.
Accuracy :	Pressure; within +/-3 mmHg, Pulse rate; within +/-5% of reading
Inflation :	Automatic inflation with pump
Deflation :	Automatic rapid deflation
Power supply :	Two LR03 alkaline batteries (AAA)
Battery Life :	Approximately 300 times of measurement when using alkaline batteries (In case of the monitor is used three times a day inflating to 170 mmHg at the room temperature of 22°C)
Operating Temperature and Humidity :	+10° to +40°C, 30 to 85% RH
Storage temperature and humidity :	-20° to +60°C, 10 to 95% RH
Measurable circumference of wrist :	135 to 215 mm
Weight of Main Unit :	Approximately 150 g (not including batteries)
External Dimensions :	78 (W) x 65.5 (H) x 37.2 (D) mm (not including the wrist cuff)
Electric Shock Protection :	Internal power supply appliance type B
Accessories :	Two LR03 alkaline batteries for monitoring use, storage case. Instruction Manual, blood pressure pass, guarantee card.

• In the interest of product improvement, specifications are subject to change without notice.

Manufacturer	OMRON HEALTHCARE Co., Ltd. 24, Yamanouchi Yamanoshita-cho, Ukyo-ku, Kyoto, 615-0084 JAPAN
EU-Representative:	OMRON HEALTHCARE EUROPE B.V. Kruisweg 577, 2132 NA Hoofddorp, THE NETHERLANDS Made in China

This device fulfils the provisions of the EC directive 93/42/EEC (Medical Device Directive). This blood pressure monitor is designed according to the European standard EN1060, Non-invasive sphygmomanometers Part 1: General Requirements and Part 3: Supplementary requirements for electromechanical blood pressure measuring systems.
This OMRON product is produced under the strict quality system of OMRON HEALTHCARE Co., Ltd., Japan. The Core component for OMRON blood pressure monitors, which is the Pressure Sensor, is produced in Japan.



CE 0197

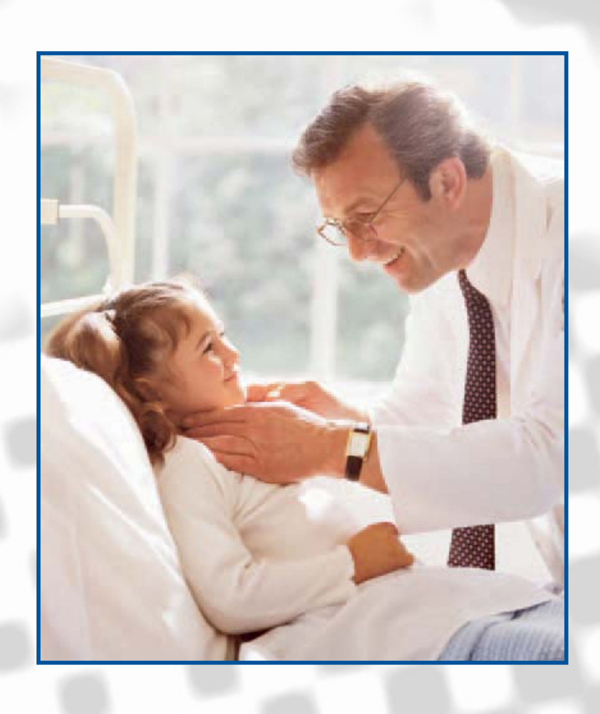
Manufacturer	**OMRON HEALTHCARE Co., Ltd.** 24, Yamanouchi Yamanoshita-cho, Ukyo-ku Kyoto, 615-0084 JAPAN
EU-representative EC REP	**OMRON HEALTHCARE EUROPE B.V.** Kruisweg 577, 2132 NA Hoofddorp THE NETHERLANDS www.omron-healthcare.com
Production facility	**OMRON (DALIAN) CO., LTD.** Economic & Technical Development Zone Dalian 116600, CHINA
Subsidiary	**OMRON HEALTHCARE UK LIMITED** Opal Drive, Fox Milne Milton Keynes, MK15 0DG U.K.
	OMRON MEDIZINTECHNIK HANDELSGESELLSCHAFT mbH John-Deere-Str. 81a 68163 Mannheim, GERMANY www.omron-medizintechnik.de
	OMRON Santé France SAS 14, rue de Lisbonne 93561 Rosny-sous-Bois Cedex, FRANCE

Made in China

Manufacturer	**OMRON HEALTHCARE Co., Ltd.** 53, Kunotsubo, Terado-cho, Muko, Kyoto, 617-0002 JAPAN
EU-representative EC REP	**OMRON HEALTHCARE EUROPE B.V.** Scorpius 33, 2132 LR Hoofddorp THE NETHERLANDS www.omron-healthcare.com
Production facility **Produktionsstätte** **Productiefaciliteit** **Site de production** **Oficina de producción** **Stabilimento di produzione**	**OMRON (DALIAN) CO., LTD.** Dalian, CHINA
Subsidiary **Niederlassung** **Dochteronderneming** **Succursale** **Empresa filial** **Consociata**	**OMRON HEALTHCARE UK LTD.** Opal Drive, Fox Milne, Milton Keynes MK15 0DG, U.K.
	OMRON MEDIZINTECHNIK HANDELSGESELLSCHAFT mbH John-Deere-Str. 81a, 68163 Mannheim GERMANY www.omron-medizintechnik.de
	OMRON SANTÉ FRANCE SAS 14, rue de Lisbonne 93561 Rosny-sous-Bois Cedex, FRANCE Uniquement pour le marché français: OMRON Service Après Vente Nº Vert 0 800 91 43 14 consommateurs@omron-sante.fr www.omron-sante.fr/contact

Made in China
Hergestellt in China
Geproduceerd in China
Fabriqué en Chine
Fabricado en China
Prodotto in Cina







Professional diagnostic instruments of the highest standards.

Product Overview

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26	Dynamometers
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Diagnostic instruments and devices of the highest standards.

"Riester – The familiar way " stands above all for the trust that our customers have in the high quality and safety, the well-known precision and the pioneering innovation potential in almost every country of the world. Designed for demanding everyday use in doctors' practices and hospitals, many Riester products have been and still are being created through close cooperation between our experienced research and development department and practitioners from government research centres and university hospitals. This is, however, only one element of the Riester product philosophy, because in all our activities it is the human aspect which still remains the centre of our attention. Furthermore, we even guarantee our promise of quality and safety in writing. All of our products have the CE mark, a sign for special quality, and are supplied with the "Original Riester" certificate of authenticity – no product leaves our premises until it has passed exacting quality tests. "The familiar way" stands not only for customer confidence but also for the strength, flexibility and individuality of a long tradition company which is still being successfully managed. Conspicuous proof of this is given by the ISO-9001 certificate which we were awarded on 30.10.1997 – the culmination of more than 50-years of company history in development and production of medical diagnostic instruments. A history of trust which we are proud of, but which also commits us in particular for the future. With our highly motivated specialist personnel, who is trained most extensively in house, we are able to successfully master the balancing act between our continuity and future-oriented modernity. And if you wish, this can also include you as a partner who places trust in the perfection and innovative power of traditional methods. We would be pleased to welcome you as a member and customer of the great Riester family, if this is not already done.

Yours very sincerely

Management and Staff
Rudolf Riester GmbH

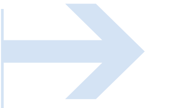
Riester –
success based on experience.



Since 1948 when Riester has been founded, the company and its employees have been committed to the engineering and production of diagnostic instruments of the highest standards.
Today Riester employs 150 people at its headquarters in Jungingen/Germany and distributes its comprehensive range of products in 150 countries.
The major product-lines are sphygmomanometers, E.N.T. and ophthalmic instruments, stethoscopes, laryngoscopes and examination lamps.

Quality – because it pays: Riester is today among the best reputated companies in the market of diagnostic instruments - worldwide.





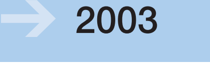
Always one step ahead – Riester instruments.

Not resting on one's laurels, that's one of the basic principles at Riester.
Due to new product-developments of the previous years Riester performed growth rates above average:









2003

Stethoscope line –
verified acoustic performance.

2004

F.O. Laryngoscopes –
XL illumination performance and verified durability of F.O. blades.

2005

ri-former® -
the modular diagnostic station







2006

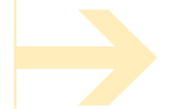
ri-focus® LED –
LED illuminated headlamp

2007

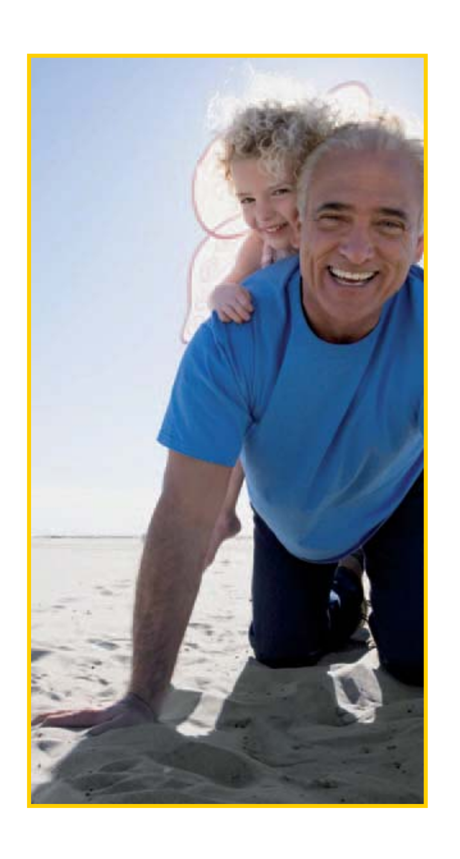
ri-scope® L –
Instruments for ENT and Ophthalmology with LED / Li-Ion technology

2008

ri-vital® spot-check monitor
precise, robust, time effective
R1 **shock**-proof
The new standard for aneroid blood pressure measurement



Quality meets precision.



Success of our products „Made in Germany" doesn't happen by accident. That's why the manufacturing of quality components and assembly of Riester sphygmomanometers is done in Germany. Thus resulting precision and product longevity have been proven by test results. Riester's latest inventions shock proof and stable needle deflection are going to be patented technologies.

Riester aneroid sphygmomanometers differ not only from precision comparable to mercury devices, but also from a nearly unlimited lifetime. Another proof of its unparalleled quality is the diaphragm pressure-loading capacity of up to 600 mm Hg. Choose from our large product variety with screw- or plug-in connections and a large variety of cuffs. Riester sphygmomanometers are also available as latex-free versions, with high precision air release valves and micro filters to protect the measuring system.

SHOCK
PROOF



Riester
The familiar way

minimus® II



Metal Aneroid sphygmomanometer.
Single-tube model.

- High-polished chromium-plated metal casing with metal ring, corrosion-protected.
- Metallic screw tube connection at the top of the manometer for undisturbed handling.
- Metal valve base.
- Spoon-shaped handle made of stainless steel.
- Linear aluminium scale Ø 49 mm, easy to read.
- Latex bulb with chromium-plated precision air-release valve, fine regulation and non wearing.
- In vinyl zipper case.

minimus® III



Metal Aneroid sphygmomanometer.
Twin-tube model.

- High-polished chromium-plated metal casing with metal ring, corrosion-protected.
- Metallic screw tube connections.
- Metal valve base.
- Spoon-shaped handle made of stainless steel.
- Linear aluminium scale Ø 49 mm, easy to read.
- Latex bulb with chromium-plated precision air-release valve, fine regulation and non-wearing.
- In vinyl zipper case.

R1 shock-proof



R1 shock-proof. Exact precision that lasts a lifetime!

- Patented (pending) shock-proof technology
- Patented (pending) air duct for stable pointer movements
- Fast, ergonomic inflation due to optimized ball design with integrated spoon
- Non-resistant opening of air release valve ensures precise and comfortable operation
- **5 years warranty on calibration**
- Shock-proof up to a height of 120cm. Conventional aneroid sphygmomanometers is shock-sensitive and its measurement accuracy may be impaired after an impact or a fall to the floor, so may no longer be used. This results in inaccurate readings or considerable logistic costs.
- Focus Green Silver 2008 Design Award
- Scale: Ø 52 mm white with blue pointer or black with red fluorescent pointer
- Valve base and air duct with metal precision valve
- Two-component ABS casing
- Metal threaded tube connection at the top of the casing for fast cuff exchange and ergonomical operation
- Maximum error tolerance of +/- 3 mm Hg
- Extensive selection of various cuff sizes
- Incl. Vinyl zippered bag
- Weight: 173 gram
- Set with storage box and 3 cuffs (large adults, adults, children) and R1 shock-proof with white scale



precisa® N

Riester
Erwachsene
Adults
Adultes
Adultos
Adulti

Aneroid sphygmomanometer in aluminium- or ABS-plastic casing.

- Metal valve base.
- Spoon-shaped handle made of stainless steel.
- Linear aluminium scale Ø 63 mm, easy to read.
- Latex bulb with chromium-plated precision air-release valve, fine regulation and non-wearing.
- In vinyl zipper case

Plastic casing:
- Sturdy ABS plastic casing.
- Metallic screw tube connection.

With aluminium casing:
- Sturdy and lightweight casing made of aluminium.
- Plug-in tube connection made of metal.

babyphon®



Suitable for children, all in blue.
Palm-style sphygmomanometer for paediatrician's offices and hospitals.

- Bear imprint on the cuff for children, infants and new-born children.
- Choice of manometer with chromium-plated metal casing or sturdy plastic casing.
- Ergonomic spoon-shaped handle made of stainless steel.
- Metal manometer with aluminium scale Ø 49 mm, plastic manometer with aluminium scale Ø 63 mm, both linear and easy to read.
- Latex bulb with chromium-plated precision air-release valve, fine regulation and non-wearing.
- In padded nylon zipper case.
- Set II offers a combination including the paediatric stethoscope duplex® baby in a matching colour.

exacta®

Classic aneroid sphygmomanometer.
Two-tube model.

- Choice of high-polished chromium-plated metal casing, black lacquered or black ABS-plastic casing.
- Stainless metal clamp for hooking the manometer to the cuff.
- Latex bulb with precision air-release valve, fine regulation and non-wearing.
- Linear aluminium scale Ø 49 mm, easy to read. In vinyl zipper case.

ri-san®

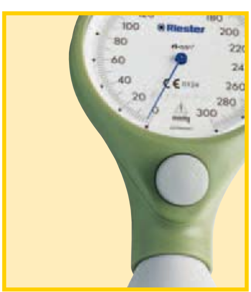
Palm-style sphygmomanometer in consistent ergonomic design.

- Regulation of the air-release valve by simple finger-tip control.
- Plug-in tube connection at the top of the manometer for undisturbed handling.
- Latex-free bulb for inflating the cuff.
- Linear aluminium scale Ø 64 mm, easy to read.
- In vinyl zipper case.
- Model colours: slate grey, blue, saffron and green.
- Suitable for left and right-handed persons.
- Sturdy ABS-plastic casing.









ri-san® combi set

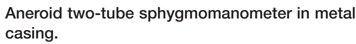


The special Riester service:
Practical combi-sets with unique attractive combined price advantage!

- Ideal for physicians and students and for every hospital.
- The sets contain instruments in matching colours. colours: slate grey, blue, saffron, green.
- Individual choice of product combination on demand.

sphygmotensiophone

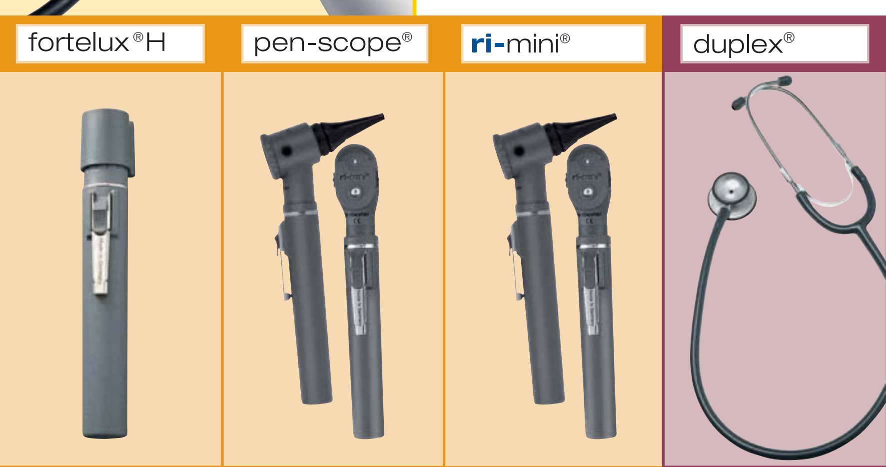




Aneroid two-tube sphygmomanometer in metal casing.
The chromium-plated pressure gage housing fits firmly on the cuff.

- High-quality cotton cuff finished in artificial leather with a metal clip to pull through the cuff. Sizes available for adults, children and infants.
- Latex bulb with precision air-release valve, fine regulation and non-wearing.
- Linear aluminium scale Ø 49 mm, easy to read. In padded nylon zipper case.

fortelux®H | pen-scope® | ri-mini® | duplex®





big ben®

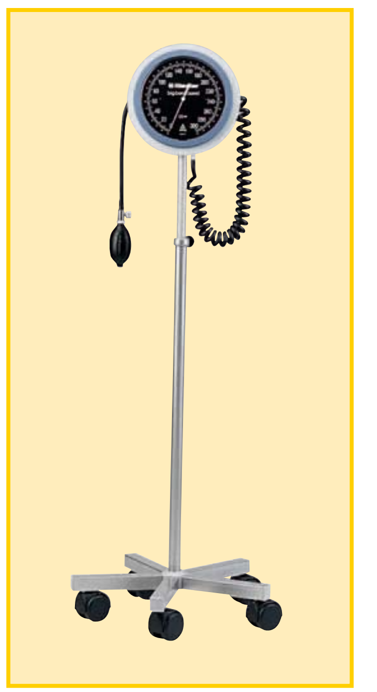
Exact precision that lasts a lifetime.

· Available as desk, wall, floor or anaesthesia models, either round or square.
· Generously dimensioned scale (Ø 147.2 mm or 145.5 mm) and high-contrast scale layout for optimum readability.
· Spacious basket on the reverse side for tubes and cuff.
· Latex bulb to inflate the cuff.
· Spiral tube can be extended to 3 m.
· Non-wearing air-release valve with fine adjustment.
· Precision mechanism attached to a special support to ensure complete stability of the measuring system and the zero-point.

Wall model:
· Ideal for every hospital room.
· Can be swivelled horizontally 65° to the left and right.
· Glass-fibre reinforced wall bracket for maximum strength (comparable to steel).
· Simple conversion to the rail model.

Anaesthesia model:
· Same features as the wall model.
· Simple conversion to the wall model.

Floor model:
· Choice of two firm stands:
Ø 38 cm, powder-coated steel, five casters or
Ø 55 cm, antistatic, stainless steel, five casters, two locking casters for completely safe standing.
· Stand height of 1.05 m adjustable to 1.30 m.







Acquiring mercury sphygmomanometers is a matter of confidence. The Riester quality-manufacturing is making the difference. Riester sphygmomanometers differ from others not only by highest precision and safety, but also by nearly unlimited lifetime – since 1948. All devices are equipped with micro filters to protect the measuring system, special seals against mercury contamination and mercury locks.

diplomat-presameter®



High-precision mercury sphygmomanometer. Desk model in a metal case.

- Precision glass column with internal diameter of 4.2 mm ± 0.2 mm.
- Chromium-plated precision air-release valve, non-wearing and with fine regulation.
- Nickel-plated metal parts.
- Latex bulb with air-release valve.
- Cuff with two-tube latex bladder.
- Unbreakable, long-life metal case with large compartment for cuff and latex bulb.
- Model colours: light grey, slate grey, blue, saffron and green.

nova-presameter®



High-end mercury sphygmomanometer. Desk, wall or floor model in metal casing.

- Precision glass column with internal diameter of 4.2 mm ± 0.2 mm. The floor model has an internal diameter of 5.0 mm and tilted scale for the best legibility.
- Chromium-plated precision air-release valve, non-wearing and with fine regulation.
- Chromium-plated metal parts.
- Desk model including bulb holder.
- Latex bulb with air-release valve.
- Cuff with two-tube latex bladder.
- Spiral tube of floor and wall models can be extended to 3 m.
- Unbreakable, durable metal case with two-coloured lacquering light grey/black with large compartment for cuff and latex bulb.

nova-presameter®



Mobile mercury sphygmomanometer.

- Precision glass column with internal diameter of 5.0 mm ± 0.2 mm and tilted scale for the best legibility.
- Chromium-plated precision air-release valve, non-wearing and with fine regulation.
- Chromium-plated metal parts.
- Latex bulb with air-release valve.
- Cuff with two-tube latex bladder.
- Spiral tube can be extended to 3 m.
- Unbreakable, durable metal case with two-coloured lacquering light grey/black with large compartment for cuff and latex bulb.
- Choice of two firm stands:
  Ø 38 cm, powder-coated steel, five casters or
  Ø 55 cm, stainless steel, five casters, two locking casters for completely safe standing.
- Stand height of 1.05 m adjustable to 1.30 m.

empire®N



Mercury sphygmomanometer of ABS-plastic casing.

- Attractive design combined with sturdy everyday-use quality, available as desk, wall, floor or anaesthesia model.
- Precision glass column with internal diameter of 4.2mm, +/- 0.2mm.
- Chromium-plated precision air-release valve, non-wearing and with fine regulation.
- Chromium-plated metal parts.
- Latex bulb with air release valve.
- Cuff with two-tube latex bladder.
- Spiral tube can be extended up to 3m.

global de luxe®



Wall mounted mercury sphygmomanometer with swivelling metal casing.

- Metal casing can be swivelled 50° to the left and right.
- Precision glass column with internal diameter of 4.2mm +/- 0.2mm
- Chromium-plated precision air-release valve, non-wearing and with fine regulation.
  Chromium-plated metal parts.
- Latex bulb with air-release valve.
- Cuff with two-tube latex bladder.
- Spiral tube can be extended up to 3m.



sanaphon®



Classic palm-style sphygmomanometers for precise self-monitoring. Stethoscope included.

- Suitable for individuals with heart rhythm disorders.
- Stethoscope chest-piece permanently attached to the cuff.
- Aluminium casing with metal ring, protected against corrosion.
- Plug-in tube connection made of metal.
- Metal valve base.
- Spoon-shaped handle made of stainless steel.
- Linear aluminium scale Ø 64 mm, easy to read.
- Latex bulb with chromium-plated air-release valve, fine regulation and non-wearing.
- Also available with precisa® N plastic/metal or ri-san® manometers.
- In padded nylon zipper case.
- Personal blood pressure record booklet included.
- In attractive promotional cardboard display box.

ri-san®



Palm-style aneroid sphygmomanometer for exact self-monitoring with stethoscope.

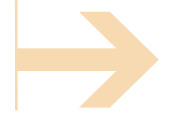
- Ergonomic design in attractive colours.
- Suitable for right and left-handed individuals.
- Suitable for persons with heart rhythm disorders.
- Stethoscope chest-piece permanently attached to the cuff.
- Air-release by simple finger-tip control, fine regulation.
- Plug-in tube connection.
- Latex-free bulb.
- Linear aluminium scale Ø 64 mm, easy to read.
- In padded nylon zipper case.
- Personal blood pressure record booklet included.
- In attractive promotional cardboard display box.

ri-champion® N

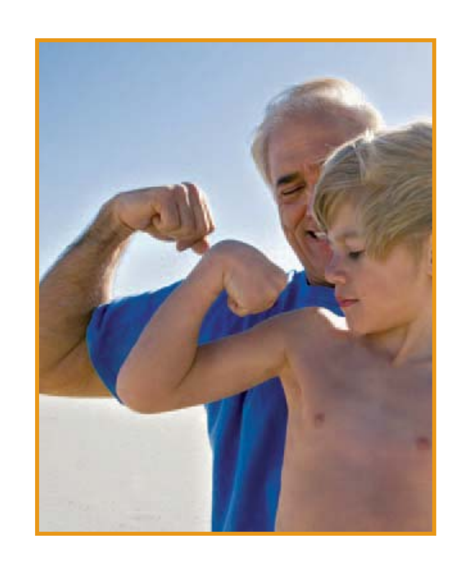


ri-champion® N: Fully automatic digital blood pressure monitor for precise and fast measurement. The clinically validated device according to BHSstandard A/A offers beside an easy handling and irregular heartbeat recognition also 99 memories, pulse tone, date and time. It operates with AA-batteries (included) or an optional mains adapter.

- Measurement of blood pressure and pulse
- Meets the high BHS-standard A/A
- Recognition of arrhythmia
- Large display
- Optical and acoustical pulse signal
- 99 memories
- Date and time
- Cuff storage
- Optional mains adapter



ri-scope® L – The new era of light and optics.



The ri-scope® L opens a new era of high-performance and user-friendly diagnostic instruments. Li-ion/LED technology and new high-performance instruments significantly reduce costs while improving both effectiveness and reliability. Instruments for E.N.T. and Ophthalmology.



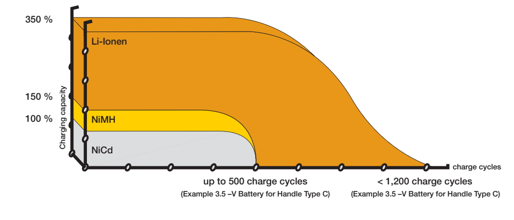
Lithium-ion battery – The power plus.

Memory effect and self discharge are not match: the light-weight lithium-ion battery used in the ri-scope® L has an unsurpassed lifetime – with higher loading capacity and sustained high-power performance, even after well over 1000 charge cycles.



LED technology – performance for life.

Nearly unlimited lifetime with the highest luminosity: these advantages make the LED technology used with the ri-scope® L so unique. Moreover, the lamp inside the ri-scope® L never gets hot, provides true-colour, even illumination of the area under examination and is practically guaranteed never to fail, in contrast to conventional halogen or xenon lamps.





rheotronic® – Patented technology for LEDs and bulbs.

Handy Riester handles with continuously adjustable rheotronic®-for regulating light intensity are the basis for a safe examination. With automatic security switch-off.

ri-scope® L Otoscopes/ Ophthalmoscopes – New standards for eye and ear diagnostics!

These completely new instruments were developed with input from doctors to set new standards for optical quality, ergonomics and performance options.

LED + Li-Ion inside

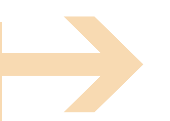


Otoscope with battery handle Type AA



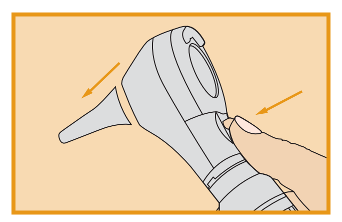
Ophthalmoscope with battery handle Type C

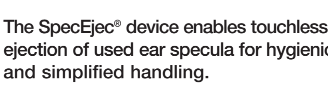
Riester
The familiar way



First-class ENT and ophthalmic instruments.

ri-scope® L.
ri-scope® L with LED, Xenon or Halogen illumination is the first choice for the challenges in E.N.T and ophthalmology – everyday. Its diverse combination possibilities and technical options make it a highly valued instrument in every doctor's practice and clinic. All ri-scope® L instruments heads are equipped with a bayonet fitting for quick and secure attachment to the handle. A large selection of energy sources and practical charger units is available.
ri-scope® L is developed and manufactured in Germany.





The SpecEjec® device enables touchless ejection of used ear specula for hygienic and simplified handling.

ri-scope® L Otoscop



ri-scope® L 1, 2 and 3

- ri-scope® L Otoscope with optical glass and reduced reflection.
- Basic model L1 with reflection minimized direct illumination Halogen HL 2.5V or Xenon XL 3.5V.
- Bi-directional swivelling optical glass with 3-fold magnification.
- Suitable for pneumatic tests (supplied without ball).
- Available with optional C or AA handles.
- L2 and L3 version with fiberoptic for optimal beaming and transmission of the light.
- High-end version L3 equipped with operation lens with 4-fold magnification and specula ejection device SpecEjec®.

ri-scope® L Ophthalmoscop



Corrective lenses L1/L2

D+	1	2	3	4	5	6	7	8	9	10	12	15	20	40
D-	1	2	3	4	5	6	7	8	9	10	15	20	25	30	35

Corrective lenses from +40 through –35 diopters guarantee a sharp picture, even in cases of especially severe refraction anomalies.

ri-scope® L 1, 2 and 3

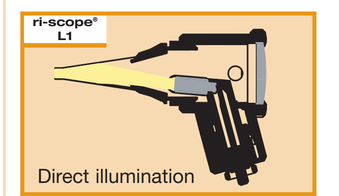
- All ri-scope® L ophthalmoscopes with modular design impress with their high-performance optics with aspherical condenser lens and reduced reflection.
- The new ri-scope® L ophthalmoscopes have a thumbrest for securing the ophthalmoscope, which enables easy control of all the elements with one finger.
- Reflexes from the cornea and iris are avoided by separating the observational and illuminating light beams (Gullstrand's principle).
- 3 different versions L1, L2 and L3 available with correction lenses with up to 89 diopter values
- Easy to operate aperture hand-wheel for apertures and filters included in all three versions.
- High-end version L3 includes a focussing device with zero retention for force for the quick correction of ametropias.

ri-scope® L sets

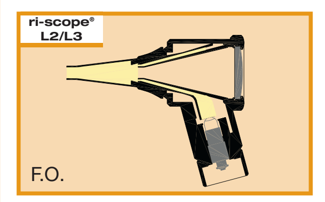


Wide range of ri-scope® sets with a cost-effectiveness which is particularly convincing.
Batteries and charging units have to be ordered separately. Individual combinations of instruments on demand.

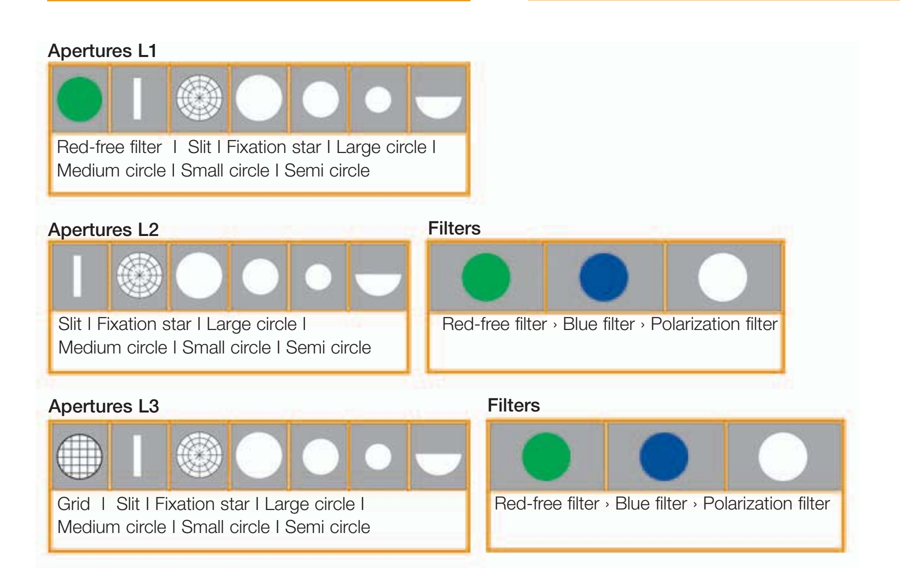
- 2,5V instruments including HL halogen lamps
- 3,5V instruments including XL xenon or LED lamps
- All sets are supplied in a hard case with safety catches including spare lamps

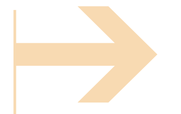


Reflection reduced, cost effective direct illumination with 2.5 V HL halogen or 3,5V XL xenon lamps.



Fiber optics with 2.5V HL halogen or 3.5V LED illumination ensure an unhindered, glare-free view.





ri-former® – the modular diagnostic station.



ri-former® is adaptable to your needs. Each time anew.
The modular diagnostic station ri-former® with LED illumination can be customized according to your needs, it can be expanded to up to 5 handles. ri-former® always perfectly matches the requirements in clinic and medical practice.
Available with or without optional digital clock. The constant output voltage independent of the power supply prolongs the service life of the lamps and guarantees optimal light intensity.
The handles automatically switch on or off when removing or replacing them in the handle unit, while the adjustable light intensity setting is maintained until the next examination.
Instrument heads are available with or without anti-theft device.

Up to 5 handle modules plus ri-spec® specula dispenser plus the big ben® square sphygmomanometer, as well as the ri-thermo® N wall unit can be mounted on the right or left side of the ri-former® basic module.







pen-scope®

Standard Pocket Oto-/Ophthalmoscopes

- Choice of otoscopes, ophthalmoscopes or oto-/ophthalmoscopes in attractive nylon case.
- Highly attractive cost-effectiveness.
- Practical metal clip on the handle for attaching to the doctor's coat.
- Otoscope with direct illumination, alternatively Standard- or Halogen lamps, 2.5x magnifying glass, removal for inserting external instruments.
- Ophthalmoscope with four different apertures and correction lenses from 0 to +20 and 0 to -20 diopters, easy to operate focusing wheel and integrated eyeglass protector.

Large circle	Small circle	Semi circle	Fixation star

D +	1	2	3	4	6	10	15	20
D –	1	2	3	4	6	10	15	20



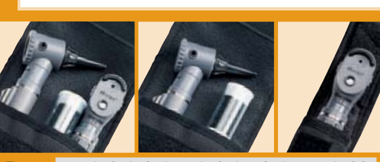
pen-scope® Otoscope

- 2.7V vacuum lamp or 2.5 HL halogen lamp.
- Direct illumination, with an upgraded, reflection-minimized illumination.
- Removable magnifying lens with 2.5-fold magnification.
- Possibility to insert external instruments when magnifying lens is removed.
- Screw fitting for secure attachment to the handle.
- Sturdy adjustment ring to turn the instrument head to the ideal position to the handle.
- Sealed system for performing pneumatic otoscopy.
- Extremely impact resistant casing made of glass-fibre reinforced plastic.
- Simple exchange of lamp at the base of the instrument head.
- Including ear specula 4mm and 2.5mm.



ri-mini®



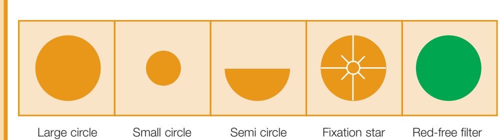


D +	1	2	3	4	6	10	15	20
D –	1	2	3	4	6	10	15	20



Halogen/F.O. illuminated Oto-/Ophthalmoscopes

- 2.5V F.O and Halogen illumination.
- Selection of otoscopes, ophthalmoscopes or oto-/ophthalmoscopes in hard case with safety catches.
- Highest cost effectiveness.
- Metal clip on the handle for attaching to the physician's coat.
- Otoscope with fibre-optics system for an optimum light beam and thus the best possible lighting results.
- Magnifying lens with 2.5-fold magnification, removable, ideal for introducing external instruments.
- Ophthalmoscope with four different apertures and correction lenses from 0 to +20 and 0 to -20 diopters, easy to operate focusing wheel and integrated eyeglass protector.



Large circle	Small circle	Semi circle	Fixation star	Red-free filter



uni®



uni® Oto-/Ophthalmoscope.

uni® I Otoscope:
· Otoscope head, chromium-plated, sturdy.
· With plug-in connector.
· Removable cover glass.
· Chromium-plated removable lens with 4x magnification.
· With Vacuum lamp 2.7V , 2.5V HL Halogen or 3.5V Xenon lamps.

uni® II May-Ophthalmoscope:
· Correction lenses from 0 to +20 and 0 to –20 dioptres. Aperture: large circle.
· With Vacuum lamp 2.7V , 2.5V HL Halogen or 3.5V Xenon lamps.

uni® III Otoscope/May-Ophthalmoscope:
· All models are fitted with battery handle type C for two batteries type C, and with rheostat for regulating the light intensity.

econom®



The complete diagnostic set.

· Vacuum lamp 2.7V , 2.5V HL Halogen or 3.5V Xenon lamps.
· A choice of two sets is available: with expandable nasal speculum or with Ø 9 mm nasal speculum.
· Alternatively supplied with halogen or xenon lamps and rechargeable handles with NiMH batteries.
· Apart from uni® otoscope and May-ophthalmoscope included are: Nasal speculum, bent arm illuminator, 2 laryngeal mirrors, tongue blade holder, 3 ear-specula, handle and spare lamp.
· Nasal speculum expandable, chromium-plated metal.
· Bent arm illuminator: Chromium-plated metal, for standard wooden tongue blade sizes or laryngeal mirrors , with battery handle type C for two batteries type C.
In sturdy black case.

fortelux®H



High performance diagnostic penlight.
The ideal addition to ri-mini® and pen-scope® instruments!

· Bright concentrated halogen light 2.5V.
· Handle AA for two batteries type AA 1.5V.
· Practical metal clip for attaching to the physician's coat.
· Including tongue blade holder for commercially available wooden tongue depressors.
· In modern nylon case with belt loop.
· Attractive choice of colours, matching ri-mini®, pen-scope® as well as other Riester products.

fortelux®N



Economically priced diagnostic penlights.
Metal casing in attractive colours.

· With 2.2 V vacuum lamp.
· Including 2 batteries type AAA.
· Aluminium outer casing with disinfectable special lacquer.
· With practical metal clip for attaching to the physician's coat.
· Simple on/off function through contact with the metal clip.
· Supplied singly or in packs of 6 (assorted colours or six per colour).

ri-light®



Cost-effectively priced diagnostic set for students.

· With diagnostic penlight fortelux® N, two batteries type AAA included.
· Tongue blade holder made of plastic.
· Laryngeal mirrors made of plastic.
· Blue filter in white plastic mounting.
· In plastic case.

ri-vision®



ri-vision® with slit-light retinoscope or spot-light retinoscope and L2 ophthalmoscope.

· Available in 2.5V HL halogen or 3.5v XL xenon illumination.
· In slit- or spot- version available.
· Two fixation cards for dynamic retinoscopy.
· 2 spare lamps included.



Riester

The familiar way

ri-scope® Retinoskop



For recognition of myopia and hyperopia as well as astigmatism.

· XL 3,5V xenon lamp or HL 2,5V halogen lamp.
· Two models are available: The spot-light retinoscope projects a circular light beam.The slit-light retinoscope with a light beam in the form of a line, simplifies recognition and the determination of astigmatic refractive errors.
· Simple operation with knurled thumb screw. The line and spot image can be focussed with the operating element and turned 360°, angle can be read off the integrated scale.
· Holder for hanging and fixing the fixation cards into position for dynamic retinoscopy.
· Two fixation cards and one spare lamp are supplied within the set.
· Integrated eyeglass protection.
· Bayonet fitting for fast and secure attachment to the handle.
· Dust-tight, very sturdy and light casing made of impact resistant plastic.
· Simple exchange of the lamp at the base of the instrument head.

schiötz tonometer



Highly precise eye tonometer according to Prof. Schiötz for measuring intra-ocular pressure.

· All vital parts are made of stainless steel.
· High quality agate bearing for an extremely long service life.
· Perfect reading of the scale with red pointer.
· Supplied with 3 weights (5.5g, 7.5g, 10g) and a conversion table.
· Complete in a black hard case with velvet-look inserts.
· Models with straight and inclined scale available.

ri-derma® LED



Direct light microscopy for examining the skin.

· Particularly suitable for the differential diagnosis of pigmented skin changes, such as e.g. malignant melanoma.
· The upper skin layers are made visible by wetting with immersion oil. Surface structures, colour, pigment distribution, non-melanocytic structures can be assessed.
· Choice of HL® halogen lamps 2.5V and 3.5V LED lamps.
· Instruments (handles and heads) made of chromium-plated metal, sturdy and durable.
· Instrument head constructed to be dust-proof.
· Focusable magnifying glass with 10-fold magnification for the most precise diagnoses and detailed images.
· Two attachments which do not harm the skin – one with a scale from 0 to 10 mm for measuring skin changes and one without a scale; both can be disinfected.
· Eyeglass protector.
· Bayonet fitting for fast attachment of the instrument head to the handle.
· Simple exchange of the lamp at the base of the head.
· All handles and charging options from the ri-scope® are available.
· Comprehensive operating instructions.

All Pupil II



Unique performance and operating comfort

High-contrast, clear images with the world's leading Keeler optics.
Riester's All Pupil II uses specially coated and individually laser-cut lenses for best sight – every day.

Light and comfortable
Riester's indirect ophthalmoscope only weighs 520 gram and is equipped with a particularly soft, cushioned and comfortable headband.

Simple operating elements
All Pupil II only has a unique single control to change aperture size and position in one movement to view through all pupil sizes.

IR and UV filter
An IR and UV filter is integrated for the patient's best possible protection.

Easy and fast bulb replacement
Easily accessible xenon bulbs enable rapid bulb replacement for uninterrupted work.

Cable connected or wireless power supply
(patent pending)

Binocular loupes



Designed for comfort and performance

An enlarged view simplifies your work. What you can't see you can't work on. The advantages of Riester's binocular loupes are obvious:
Improved working posture, reduced strain on the eyes and an even clearer view with K-LED lighting.
Ideal for ocular and dental examinations as well as plastic surgery and veterinary professionals.

Patient comfort
More distance during treatment makes patients feel visibly better and more relaxed.

Several magnification grades
Riester magnifiers perform in accordance with your requirements. Multiple magnification levels enable you to see more, spot problems earlier and offer even hig her levels of precision treatment.

Attachment options
Select between the light Riester spectacle frame or the brow band system for the use of your magnifiers.

ri-vital®





ri-vital® spot-check monitor, engineered for the mobile, precise and fast recording of vital signs data at clinics, hospitals and outpatient treatments. Ergonomical design and highly developed technology resulting in reliable measurement results and time efficiency.

· NIBP, Pulse, MAP, SpO2, Temperature (optional)
· Special mode for neonates (blood pressure)
· Infrared ear thermometer with probe sheath dispenser (optional)
· Large, bright LCD display
· Simultaneous measurement of different vital parameters within seconds
· Shock resistant
· Easy and fast operation due to the simple menus and perfectly integrated storage options for sensors and cuffs.
· Efficient Li-Ion battery pack
· Portable and light
· Mobile stand (optional)
· 2 years warranty

ri-fox



Mobile precision in the smallest possible format! Monitor and sensor in a single device.

· Simple and fast measurement by attaching to the finger.
· Fast and precise measurement of the pulse and the oxygen content of the blood (%SpO2).
· The measurements are easy to read on the LCD display with optional background illumination.
· With acoustic pulse indicator.
· LCD-display of %SpO2, perfusion and pulse.
· Acoustic pulse indication.
· Battery status indication.
· Low battery consumption (approx. 24,000 measurements).
· commercialy available batteries included, easy to change.
· Automatic on/off switch.

ri-thermo® N



Multifunctional Infra-red thermometer for professionals and private consumers – with CE 0124 approval, clinical validation.

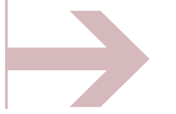
· Three measurement functions: Apart from body temperature, exact and simple measurement of the temperature of liquids (e.g. baby bath-water or baby food) and the air temperature.
· Measurement takes approx. 1-2 seconds.
· Digital display for optimum readability of the measurement values in °C or °F.
· Memory function for 12 measurements.
· Probe covers: A new probe cover should be used for every measurement in the ear for reasons of hygiene and accuracy. No ear-measurement should be made without a probe cover!
· Two alkaline manganese batteries type AA 1.5V included for approx. 1,500 measurements.
· Supplied with 25 probe covers in attractive sales packaging.
· Probe covers are available in packs of 25, 100 or 1,000.

ri-gital®



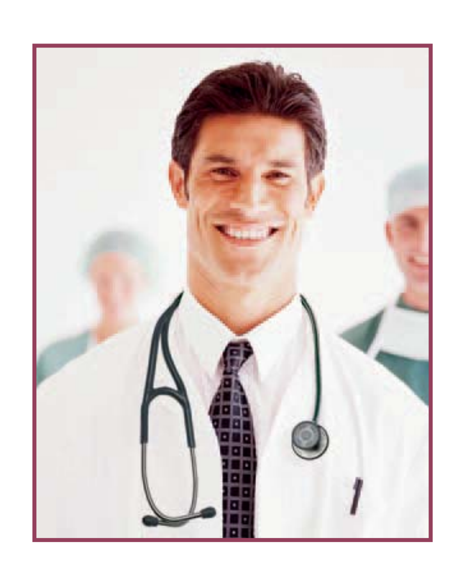
Easy to use, robust and precise digital thermometer.

· For oral, rectal and under-arm measurement of body temperature.
· Highly sensitive temperature sensor for fast, precise measurements.
· Three-digit display.
· Memory function.
· Signal tone.
· Unbreakable and 100% water-tight.
· Measurement range: 32 °C to 43,9°C.
· Operating temperature: 10 °C to 40 °C (50 °F – 104°F).
· Accuracy: ± 0.1 °C.
· Automatic switch-off after 10 minutes.
· Includes long-life button cell battery for approx. 200 hours.
· In plastic storage box.





Riester stethoscopes – There’s simply more to hear.



Outstanding acoustic performance in all frequency ranges.
Riester stethoscopes ensure perfect auscultation. „Made in Germany“ stands for selected materials and first-class workmanship to ensure perfect auscultation and outstanding durability. Current test protocols show: The newest Riester generation of stethoscopes has unique acoustic characteristics in comparison to all other models measured. Extra-soft, replaceable ear-tips with metal screw thread ensure a comfortable and effective sealing of the external auditory canal. Particularly flat and soft non-chill rims for improved adaptation on the skin are also included.
All Riester stethoscopes are supplied with replacement parts and comprehensive instructions for use.
24 months guarantee on all Riester stethoscopes.

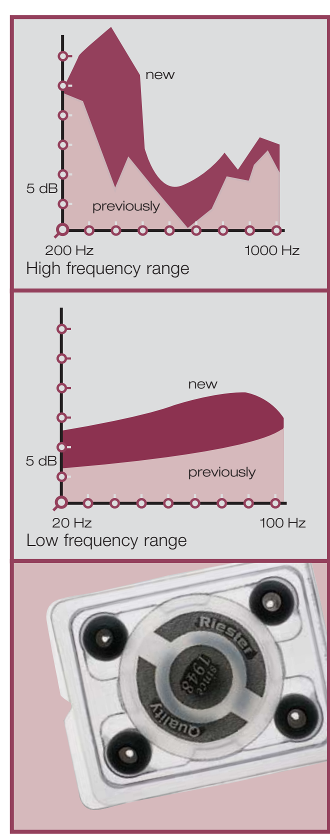


cardiophon: frequency analysis	
20 Hz – 100 Hz	**max. 5,9 dB at 100 Hz**
100 Hz – 1.500 Hz	**max. 28,3 dB at 320 Hz**

cardiophon

cardiology-stethoscope cardiophon.
The Riester masterpiece.

- Especially in the frequency range between 200Hz and 500Hz, which is particularly important for the auscultation of heart sounds, the cardiophon provides unique acoustic performance.
- The cardiophon is suitable for the precise auscultation of adults and children.
- Double-headed chest-piece made of stainless steel.
- Special membranes on both sides for precise acoustics, Ø 48 mm and 36 mm, with particularly flat and soft non-chill rims for improved adaptation on the skin.
- Anatomically shaped binaural made of stainless steel with reinforced, internal multiple spring.
- Soft, replaceable ear-tips with metal screw thread for comfortable and effective sealing of the external auditory canal.
- Extra-strong Y-tube made of PVC with separate sound-conducting pathways for the left and right ears with particularly goo audio-conductivity.
- Overall length: 72 cm.
- Latex-free.
- The cardiophon is supplied with two pairs of replacement ear-tips, a replacement membrane each and a name plate.



Riester special membranes are extra-ordinary durable and permit perfect auscultation.

duplex® de luxe









Stethoscope in a class of its own for the auscultation of adults and children.

- Considerably improved acoustics in all relevant frequency ranges.
- Double chest-piece made of either stainless steel or pleasantly light aluminium.
- Special membranes on both sides, Ø 48 mm and 36 mm, with particularly flat and soft non-chill rims for improved adaptation on the skin.
- Matt chromium-plated binaural with integrated reinforced double spring.
- Extra-soft, replaceable ear-tips with metal screw thread for comfortable and effective sealing of the external auditory canal.
- Extra-strong Y-tube made of PVC for shielding against undesired stray sounds.
- Latex-free.
- Overall length: 77 cm.
- duplex® de luxe is supplied with two pairs of replacement ear-tips, a replacement membrane each and a name plate.





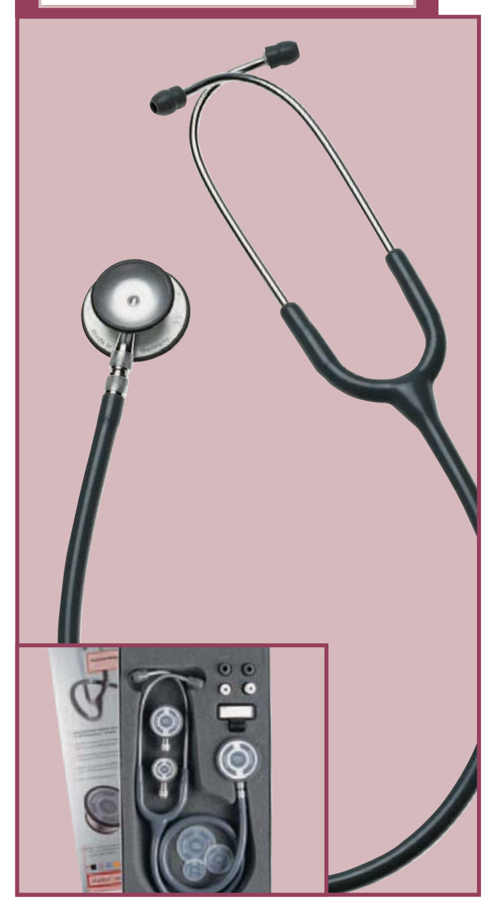
duplex®



Quality stethoscope with double chest-piece. Best quality at an attractive price.

- Considerably improved acoustics in all relevant frequency ranges.
- Double-headed chest-piece available in two types: chromium-plated brass or specially lightweight aluminium, galvanized.
- Special membrane for perfect auscultation, Ø 48 mm, with particularly flat and soft non-chill rims for improved adaptation on the skin.
- Bell, Ø 36 mm.
- Chromium-plated binaural, which can be adjusted by turning. With external spring.
- Soft, replaceable ear-tips with metal screw thread for comfortable and effective sealing of the external auditory canal.
- Strong Y-tube made of PVC to shield against undesired stray sounds.
- Latex-free.
- Overall length: 77 cm.
- duplex® is supplied with a pair of replacement ear-tips and a replacement membrane.

tristar®



The high quality stethoscope tristar® with three different sized double chest-pieces for adults, children/babies and new-born children is outstandingly suitable for perfect auscultation in all frequency ranges.

- Considerably improved acoustic performance in all areas of application.
- Double chest pieces for duplex®, duplex® baby and duplex® neonatal made of aluminium with rapid-exchange connector.
- Special membranes, Ø 48 mm, 36 mm, 28 mm, for first-class acoustics.
- Particularly flat and soft non-chill rims for improved adaptation on the skin.
- Bells Ø 36 mm, 28 mm, 24 mm.
- Matt chromium-plated binaural with integrated reinforced double-spring.
- Optimal sealing of the external auditory canal with soft, replaceable ear-tips with metal screw thread.
- Particularly strong Y-tube made of PVC for optimal acoustics to shield against undesired stray sounds.
- Overall length: 79 cm, 78.5 cm, 78 cm.
- Latex-free.
- tristar® is supplied with two pairs of replacement ear-tips, a replacement membrane each and a name plate.



anestophon®



Innovative universal stethoscope with ergonomic flat chest-piece for particular comfort when measuring blood pressure. High quality standard at a reasonable price.

- Considerably improved acoustics.
- Ergonomic handling thanks to novel design: extra-ordinarily flat aluminium chest-piece without edges, easy to push under the cuff when measuring blood pressure.
- Special membrane, Ø 48 mm, with particularly flat and soft non-chill rims for improved adaptation on the skin.
- Matt chromium-plated binaural, which can be adjusted by turning.
- Soft, replaceable ear-tips with metal screw thread for comfortable and effective sealing of the external auditory canal.
- Reinforced Y-tube made of PVC to shield against disturbing stray sounds.
- Overall length: 77 cm.
- Latex-free.
- The anestophon® is supplied in a cardboard display box with a pair of replacement ear-tips and a replacement membrane.



duplex® baby



Quality stethoscope with double chest-piece for children and babies.

- Considerably improved acoustics.
- Particularly light precision chest-piece made of aluminium.
- Special membrane, Ø 36 mm, with particularly flat and soft non-chill rims for improved adaptation on the skin.
- Bell, Ø 28 mm.
- Matt chromium-plated binaural, which can be adjusted by turning. With external spring.
- Soft, replaceable ear-tips with metal screw thread for comfortable and effective sealing of the external auditory canal.
- Strong Y-tube made of PVC to shield against undesired stray sounds.
- Latex-free.
- Overall length: 76.5 cm.
- duplex® baby is supplied with a pair of replacement ear-tips and a replacement membrane.



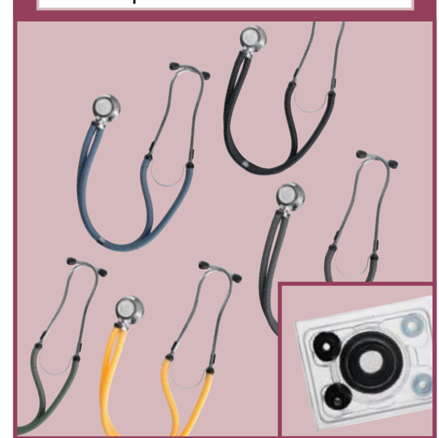
duplex® neonatal



Quality stethoscope with double chest-piece for new-born children and infants.

- Considerably improved acoustics.
- Particularly small precision chest-piece made of aluminium especially for new-born children and infants.
- Special membrane, Ø 28 mm, with particularly flat and soft non-chill rims for improved adaptation on the skin.
- Bell, Ø 22 mm.
- Matt chromium-plated binaural, which can be adjusted by turning. With external spring.
- Soft, replaceable ear-tips with metal screw thread for comfortable and effective sealing of the external auditory canal.
- Strong Y-tube made of PVC to shield against undesired stray sounds.
- Latex-free.
- Overall length: 76 cm.
- duplex® neonatal is supplied with a pair of replacement ear-tips and a replacement membrane.

ri-rap®



The universal stethoscope ri-rap® with double chest-piece and double tube system convinces by its flexible range of applications.

- Very good acoustics in all frequency ranges.
- Strong double tube with separate sound-conducting pathways for the left and right ears guarantees extra-ordinary audio-conductivity.
- Alternatively with 40 cm or 80 cm tube length.
- Heavy chromium-plated double chest-piece with two membrane sides, Ø 45 mm and 32 mm.
- Special membranes with surface structure to adapt better to the skin.
- Both membrane sides can be simply and quickly refitted with the enclosed bells (Ø 33.5 mm, 27.3 mm, 20.3 mm) with the screw connections.
- Replacement parts box: three bells, each with a transparent membrane, two pairs of replacement ear-tips.
- Latex-free.
- ri-rap® supplied complete with replacement parts in an attractive cardboard display box with foam insert.

pinard



The pinard stethoscope is used to auscultate the heart sounds of the embryo in the womb.

- Available in two models: sturdy plastic or particularly lightweight, polished aluminium.
- Supplied in a cardboard box.

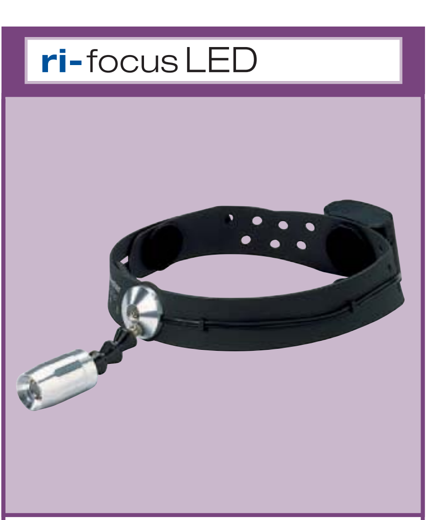
Bright light for safe diagnosis.





Riester head mirrors and headlights show their particular quality in everyday use. Head mirror and headlights have to provide optimal illumination, but also have to fit properly. The high level of wearing comfort means non-fatiguing operation even after long periods of use. Innovative light techniques guarantee optimum viewing conditions. Riester head mirrors, headlights and examination lights are developed and manufactured in Germany.

ri-focus LED



Powerful head light with focusable LED lamp.

- Headband version, with built-in battery compartment and integral charge jack, can be optionally fitted with 2 lithium batteries size CR 123 A, 4 batteries size AAA (alkaline) or 4 rechargeable batteries size AAA (NiMH).
- Headband cleaning made easy by inner, removable and washable padding.
- Particularly comfortable with balanced, infinitely adjustable headband.
- Use without any hindering cables.
- On/off switch on battery compartment.
- Charge jack for plug-in charger integrated in battery compartment.
- Focusable LED lamp at a distance of 40 cm approx. Ø 40 mm - Ø 200 mm, infinitely adjustable.
- White LED, 1 Watt , 4.200° Kelvin, 6V.
- 7.100 Lux at 500 mm, 17.500 Lux at 300 mm
- Battery operation: approx. 30 hrs. with lithium batteries, approx. 90 min. with alkaline batteries Type AAA.
- Rechargeable battery operation: approx. 90 min. with fully charged battery.
- Weight: 210 g without batteries, 242 g with CR 123 A lithium batteries, 259 g with rechargeable AAA batteries.
- Delivery in carton.

ri-focus/ ri-focus reverse (halogen)



Optimum non-glaring illumination for all examinations.

- Halogen lamp 8 V for white and even light.
- The lens at the front of the light head can be focused to allow exact adjustment of the size of the illuminated examination area.
- Integrated heat sink for patient-friendly use.
- Step switch on cable for regulating light intensity in two steps.
- Electrical cable runs along the outside of the headband to permit unhindered use.
- Fast exchange of light heads using special fixture located on the side of the forehead.
- Ball joint for precise adjustment of the lamp head.
- Simple adjustment and fixation of the headband with help of the rotating aluminum knob.
- Soft, exchangeable foam protection around the forehead for comfort in wearing the headband.
- Rapid plug-in connector for attaching the headlight cable to the transformer ensures fast implementation.
- Available with 230 V or 120 V transformers.
- 7.000 Lux at 500 mm , 20.500 Lux at 300 mm
- Supplied in a sturdy plastic case.

ri-focus CL (coldlight)



Powerful surgical head light.

- Precision optics with micro-focus and ball joint for a homogenous and precisely adjustable light point according to size and direction.
- Glass fibre cable for cold-light supply with centred cable duct for undisturbed working.
- Ergonomic headband with head bow and removable leather padding for comfortable use even over several hours, infinite height and width adjustment with central wheels adjustable with one hand.
- Optimum light output by choice of 3 different projectors:
  - HL 150 (150 W halogen)
  - XL 24 (24 W xenon)
  - XL 100 (100 W xenon).
- Fast push connector for connecting glass fibre cable and light source.
- Adapter for projectors of other quality manufacturers.
- Light exit: focusable, double lens system, ball joint.
- Glass fibre cable: length 220 cm, diameter 3.5 mm.
- Total weight 0.3 kg.
- Supplied in a carton.



Riester
The familiar way

clar N (Vacuum/LED)



clar N – head mirror with LED illumination or vacuum lamp.

- Headband version, with built-in battery compartment and integral charge jack, can be optionally fitted with 2 lithium batteries size CR 123 A, 4 batteries size AAA (alkaline) or 4 rechargeable batteries size AAA (NiMH).
- Headband cleaning made easy by inner, removable and washable padding.
- Particularly comfortable with balanced, infinitely adjustable headband.
- Use without any hindering cables.
- Mirror Ø 55 mm and Ø 100 mm, infinitely adjustable and fixable.
- On/off switch on the battery compartment.
- Charge jack for plug-in charger integrated in battery compartment.
- White LED, 1 Watt with 5.500° Kelvin, 6V or with 6V vacuum lamp.
- 7.300 – 35.000 Lux at 300 mm, depending on illumination version
- 4.000 – 21.000 Lux at 500 mm, depending on illumination version
- Adjustable lamp holder on the mirror to focus the circle of light.
- Battery operation approx. 30 hrs. with lithium batteries, approx. 90 min. with alkaline batteries Type AAA.
- Rechargeable battery operation: approx. 90 min. with fully charged battery.
- Weight with mirror 55 mm: 209 g without batteries, 242 g with CR 123 A lithium batteries, 258 g with rechargeable AAA batteries.
- Weight with mirror 100 mm: 267 g without batteries, 300 g with CR 123 A lithium batteries, 316 g with rechargeable AAA batteries.
- Delivery in carton.

ri-clar® (halogen)



Perfect light reflection with the ri-clar® mirror.

- Models available with mirror diameter 55 mm or diameter 100 mm.
- With 7V halogen lamp for bright, natural light.
- Switch on cable for regulating light intensity in two steps.
- Extremely strong metal ball-and-socket joint permits the mirror to be turned in all directions.
- Manual positioning of the lamp holder for individual adjustment of the reflected light.
- Special fixture located on the side of the forehead for practical and fast exchange of the light heads.
- Simple adjustment and locking of the headband using the rotating aluminum knob.
- Soft, exchangeable foam protection in the forehead area for comfortable wearing of the headband.
- Electrical cable runs along the side of the headband to permit unhindered use.
- Rapid plug-in connector for attaching the headlight cable to the transformer ensures fast implementation.
- Available with 230 V or 120 V transformers.
- Supplied in a sturdy plastic case.

ri-clar® CL (coldlight)



Powerful ENT head light with reflector.

- Precision optics with micro-focus and ball joint for a homogenous and precisely adjustable light point according to size and direction.
- Glass fibre cable for cold-light supply with centred cable duct for undisturbed working.
- Ergonomic headband with head bow and removable leather padding for comfortable use even over several hours, infinite height and width adjustment with central wheels adjustable with one hand.
- Optimum light output by choice of 3 different projectors:
  - HL 150 (150 W halogen)
  - XL 24 (24 W xenon)
  - XL 100 (100 W xenon).
- Fast push connector for connecting glass fibre cable and light source.
- Adapter for projectors of other quality manufacturers.
- Light exit: focusable, double lens system, ball joint.
- Glass fibre cable: length 220 cm, diameter 3.5 mm.
- Total weight 0.3 kg.
- Supplied in a carton.

ri-magic®



Flexible illumination in office practices and hospitals.

- Focused, colour neutral halogen lamp 8V, ideal for examinations and small surgeries.
- The focusing device at the front of the light head allows exact adjustment of the size of the illuminated examination area.
- Heat sink for patient-friendly use.
- Highly flexible, long special arm can be bent in all directions, the light remains fixed in the chosen position.
- Simple to use handle with rheostat for infinitely variable regulation of light intensity.
- 230V or 120V transformers available.
- ri-magic® is available as a desk, wall or floor model
- The floor model is supplied with a particularly steady, heavy and anti-static stand. Two of the five casters can be locked. The wall and desk models can be quickly and easily mounted on all conventional rails using the universal clamp.



ziegler



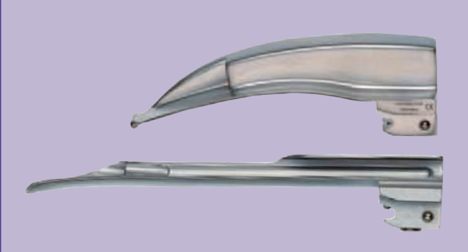
Head mirror with 90 mm or 100 mm diameters.

- Optional models available with mirror diameter 90 mm or diameter 100 mm.
- Sturdy, easy to assemble ball-and-socket joint to turn the mirror in different directions.
- Simple adjustment to the size of the head using the metal buckle on the side of the headband.
- Supplied in a cardboard box.

Laryngoscopes

Riester - Laryngoscopes with unique quality features.

- Exceptional longevity proven by test reports.
- Laryngoscopes available with integrated F.O. illumination, removable F.O. illumination or standard-illumination.
- Excellent XL 3.5 V or 2.5 V xenon illumination and fiber optics or with 2.7V vacuum illumination.
- Macintosh und Miller blades with innovative blade design for optimum visibility of the epiglottis and vocal cords. Simple insertion of the endotracheal tube.
- Large choice of power sources:
  - manoeuvrable and sturdy battery handles and
  - charging bases.
- Wide selection of laryngoscope sets for paediatrics and adults with particularly convincing cost effectiveness.
- All handles and blades are supplied singly and each can be individually combined within the fiber optics or standard model ranges.





ri-integral F.O.



ri-integral flex F.O.

ri-modul F.O.

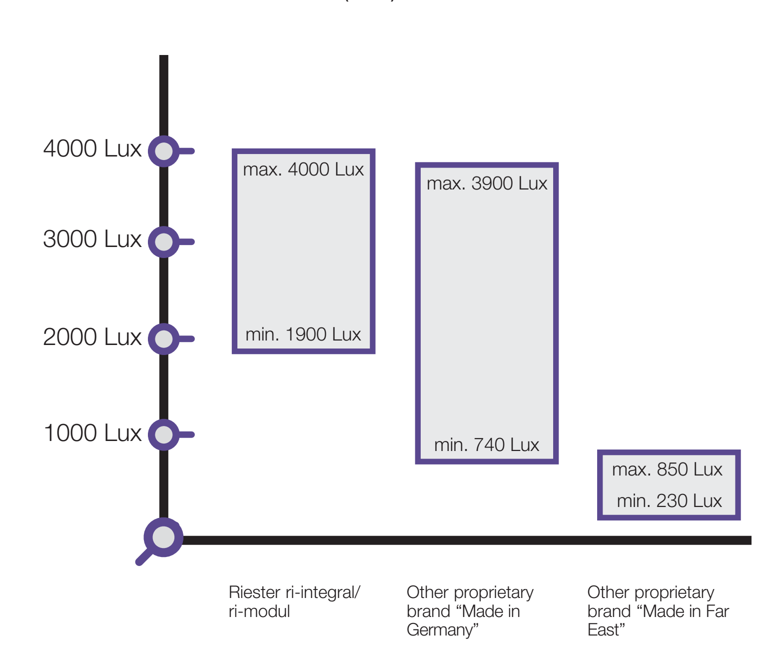


ri-standard



The results* prove the excellent light intensity and durability of Riester F.O. blades and their suitability for long-term continuous use.

*** Test results after 1200 autoclaving cycles (134° C for 5 minutes with the Melag Vacuklav 31). Measurements were performed using a 2.5V XL Xenon lamp at constant light output at a distance of 40 mm from the distal end of the blade (size 3).**





graeve / cusco



Riester quality specula. Reliable and durable.

graeve vaginal speculum
- External polished finish, matt inner surface, available in three sizes (82 mm x 21 mm, 109 mm x 35 mm, 130 mm x 37 mm).

cusco vaginal speculum
- External polished finish, matt inner surface, available in four sizes (for virgins 81 mm x 18 mm, 76 mm x 31.5 mm, 90 mm x 35 mm, 102 mm x 37 mm).
- No reflection thanks to matt inner surface.
- Made of stainless steel type 18/8.
- Can be sterilised up to 134 °C in autoclaves.
- Supplied in a cardboard box.

speculight



speculight:– the optimal illumination for all vaginal specula.

- Battery handle C, chromium-plated.
- For 2 batteries type C.
- 85 cm long cable with fixing clip and 2.5V standard illumination (vacuum).
- Light intensity can be regulated at discretion using the rheostat.
- Supplied in a cardboard box.

salpingograph



Tried and tested quality instrument from Riester for the diagnosis of sterility and hysterosalpingography according to Professor Dr. Schultze.

- For the x-ray contrast imaging of the uterine cavity and the fallopian tubes. Simple test for tubal patency.
- Quality manometer with range 0 up to 200 mm Hg displayed in graduations of 10 mm Hg.
- Highest quality fine mechanical finish with chromium-plated metal parts.
- The instrument can also be read in the dark thanks to the luminescent substance used on the scale.
- Pressure created with a 20 ml syringe via a Luer-lock connector.
- Includes three chromium-plated uterus sealing cones in small, medium and large.
- Holding device for two uterus fixation forceps.
- Complete in high-quality calico case with grey velvet-look inserts.

Percussion hammers



Complete range of quality percussion hammers.

- Reliable and sturdy.
- All hammers supplied in poly-bags.

Tuning forks



Large range of quality tuning forks and tuning fork sets for ear specialists and neurologists. Selected materials and first-class finish ensure maximum functionality and reliability.

· Highest quality materials: nickel steel or aluminium.
· Large selection of different frequencies: from 64 Hz to 4096 Hz.
· Tuning forks with and without clamps.
· Tuning forks with and without base for different requirements in everyday hospital and office practice.

Tuning fork sets



The tuning fork sets are well thought-out combinations in an attractive wooden or plastic case to perform full hearing tests. The most important frequencies are all conveniently to hand.

· Set I — 8 tuning forks made of steel in wooden case.

· Set II — 5 tuning forks made of steel in plastic case.

· Set III — tuning forks made of aluminium in plastic case.

ri-clip®



Fast and simple. The perfect vein compressor for blood extraction.

· Simple blood stasis by tightening the strap.
· Simple release at the clip.
· Avoids unpleasant catching of small hairs.
· Attractive design.
· Colour matching other Riester products.
· Hygienic, can be disinfected with conventional disinfectants or autoclaved at 120 °C/1 bar.
· Available with latex and latex-free!

komprimeter



Classic device to restrict blood circulation during amputations.

· High precision, durable manometer for accurate pressure monitoring up to 700 mm Hg.
· Sturdy metal pump to produce pressure.
· Air can be released from the cuff via finely regulated, non-ageing air-release valve on the manometer.
· Includes upper arm cuff 57 cm x 9 cm and thigh cuff 96 cm x 13 cm.
· Optional extra: child's cuff 28 cm x 6 cm.
· All cuffs made are made of material which can be washed and disinfected.
· Latex-free.

spirotest



Exact measurement of lung capacity without the use of water.

· Casing in blue plastic design.
· Measurement range from 1,000 cm^3 up to 7,000 cm^3.
· Supplied complete in a cardboard box with 50 disposable plastic mouthpieces.
· Suitable for fitness examinations and health checks in the physicians's office or at home.
· Replacement parts: 50 disposable plastic mouthpieces. 1,000 disposable cardboard mouthpieces.

dynatest®



Simple training and measurement of strength in the hands. For rheumatic disorders or sport injuries.

· Desk device with plastic casing.
· Easy to read scale from 0 to 1.0 bar.
· Black soft plastic bulb.
· Chromium-plated pressure release valve.
· With three yellow coloured soft balls for patients' treatment.
· Supplied complete in a cardboard box.



The familiar way

metpak®



For optimum pressure infusions.

- Pressure cuffs with manometer for producing pressure.
- For solutions or blood bags from 500 ml, 1,000 ml, 3,000 ml or 5,000 ml.
- Sturdy cotton cuff in blue, with suspension loop for infusion stands, washable up to 60 °C.
- Precise reading of the level in the bag thanks to a transparent net on the cuff.
- Chromium-plated manometer Ø 49 mm with easy to read aluminium scale up to 300 mm Hg.
- Specially hardened copper-beryllium membrane.
- No zero-point setting required.
- Latex pad resistant to pressure.
- Latex-free inflation bulb.
- metpak® is also available latex-free.

Veterinary instruments



Veterinary E.N.T./ophthalmic instrument sets.

- Selection of 2.5V HL halogen and 3.5V XL xenon illumination technology.
- all-metal ri-scope® operation otoscope for a long service live, open design for unhindered use during examination and operation.
- Swivel lens with 2.5-fold magnification.
- ri-scope® ophthalmoscope with glass-fibre reinforced casing, particularly sturdy, light-weight and durable.
- Focussing wheel with corrective lenses from 0 to +40 and 0 to -35 diopters.
- Apertures: Small circle, Large circle, Semi circle, Fixation star, Slit and Grid.
- Filters: Red open filter, Blue filter, Polarisation filter

med-kit I



med-kit I

- Sphygmomanometer precisa® N ABS-plastic/metal or alternatively with sphygmomanometer ri-san® (slate-grey, blue, saffron or green).
- Stethoscope duplex® aluminium with replacement parts.
- Diagnostic penlight fortelux® N.
- Percussion hammer buck with replacement parts.

med-kit II



med-kit II

- Sphygmomanometer precisa® N ABS-plastic/metal.
- Otoscope uni® I with handle C.
- Stethoscope duplex® aluminium with replacement parts.
- Diagnostic penlight fortelux® N.
- Percussion hammer buck with replacement parts.

med-kit III



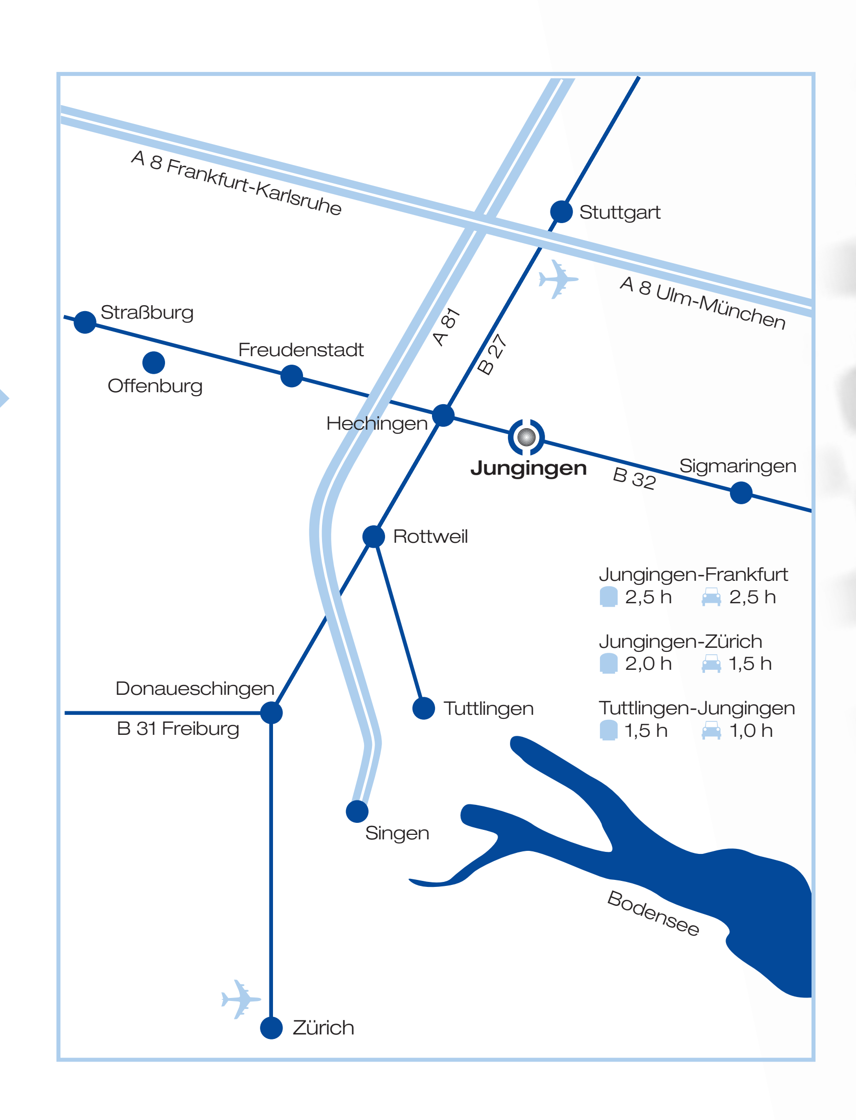
med-kit III

- Sphygmomanometer precisa® N ABS-plastic/metal.
- Otoscope ri-scope® F.O..
- Ophthalmoscope ri-scope®.
- Battery handle type C.
- Stethoscope duplex® de luxe stainless steel with replacement parts.
- Diagnostic penlight fortelux® N.
- Percussion hammer buck with replacement parts.
- Tuning fork C128 aluminium with clamps.



This brochure shows only a selection of the entire range of Riester medical instruments. We will of course be pleased to send you our fully comprehensive equipment catalog on request. As with all Riester publicity material and sales aids, our comprehensive Riester catalog is also available in German, English, French, Spanish and Russian. All Riester products are supplied with the CE mark. Our general terms and conditions of business apply to the complete catalog.

Order numbers for the complete catalog:
German 51231-50 | Englisch 51232-50 | French 51234-50 | Spanish 51236-50 | Russian 51238-50



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Subject to alterations.

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Presentación





Tensiómetros

Instrumentos de ORL y oftalmológicos

Instrumentos dermatológicos

Termómetros

Fonendoscopios

Espejos frontales, lámparas frontales y lámparas de exploración

Laringoscopios

Instrumentos ginecológicos

Martillos de percusión

Aparatos de punción

Diapasones

Productos de venostasis

Aparatos de medición de la presión pulmonar

Dinamómetros

Aparatos para infusión venosa a presión

Instrumentos veterinarios

Maletines y bolsos de médico

Material publicitario y de ventas





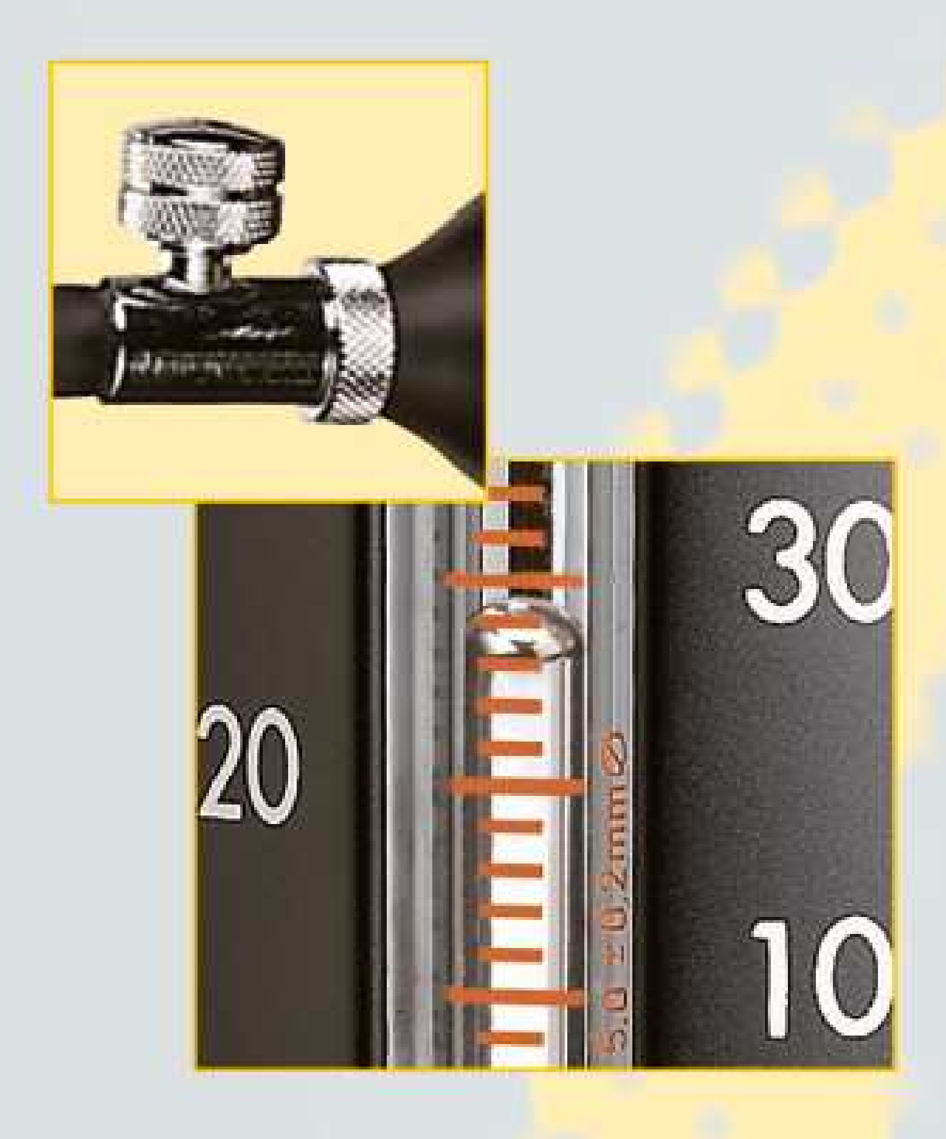


Sencillamente, seguros y precisos.

Tensiómetros

Tensiómetros de mercurio

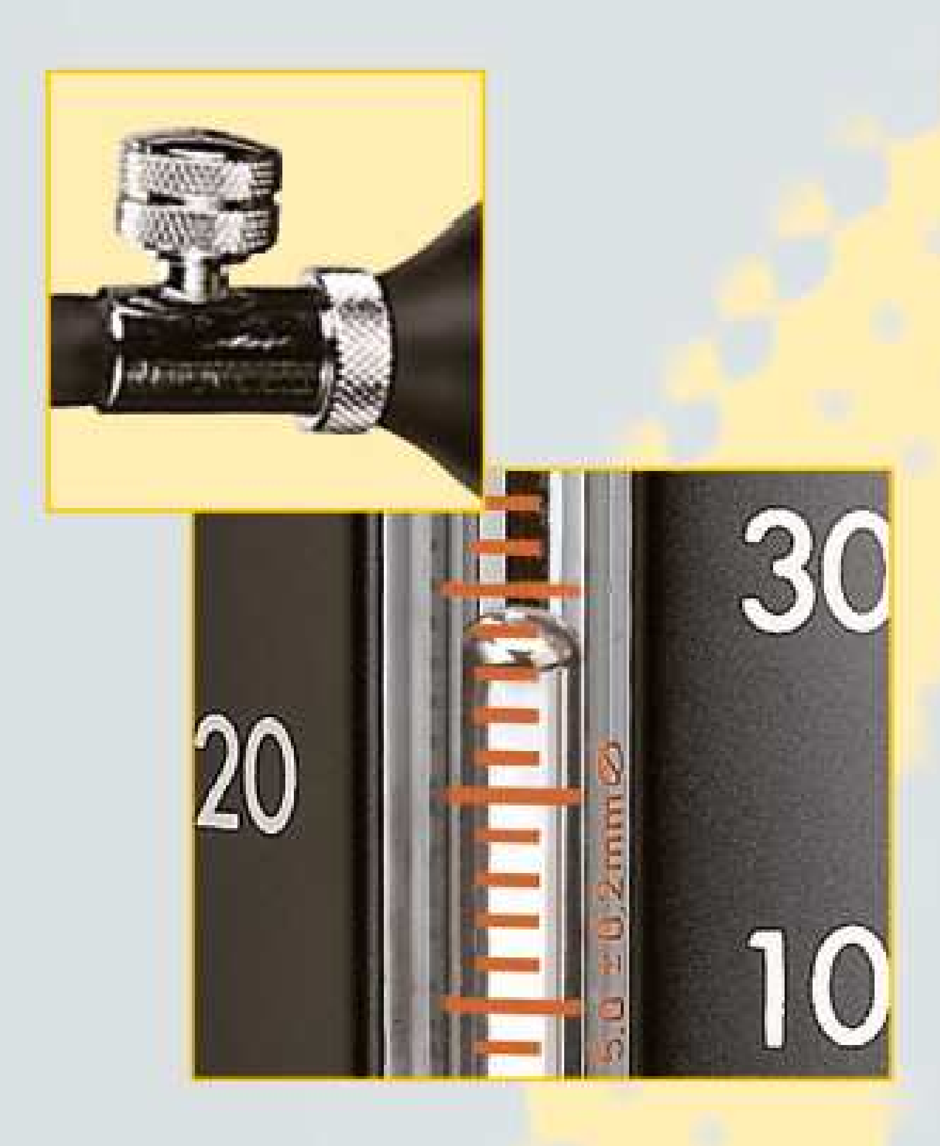




- Amplísima selección de diferentes versiones, diseños y colores con brazaletes de alta calidad de distintos tamaños y materiales. Made in Germany.
- Tubos de vidrio de lectura precisa resistentes al envejecimiento, con diámetro interno elevado, incluyen limpiador de tubo. Los fabricantes baratos utilizan tubos de plástico. Este tipo de tubos pierden lustre y dejan de ser legibles al cabo de poco tiempo. Además, los tubos de plástico no tienen un diámetro interno constante y uniforme ya que son estirados durante el proceso de fabricación, por lo que son ligeramente cónicos. Esto da lugar a mediciones imprecisas.
- Mercurio con un grado de pureza del 99,999% para una precisión absoluta.
- Tolerancia de error máxima de +/- 3 mm Hg; la norma interna de la casa es: +/-2 mm Hg.
- Escalas de manómetro hasta 300 mm Hg.

Tensiómetros de mercurio





- Juntas especiales por encima y por debajo de los tubos de vidrio y las llaves de mercurio, para evitar la contaminación del mercurio.
- Uso de materiales resistentes a los golpes.
- Los microfiltros en las válvulas de purga protegen las válvulas y los sistemas de medición, garantizando una larga vida útil.
- Todos los aparatos están disponibles en versión sin látex.





Tensiómetro de mercurio de alta precisión, modelo de sobremesa con estuche metálico.

- Tubo de vidrio de precisión, con diámetro interno de 4,2 mm +/- 0,2 mm.
- Válvula de purga de aire de precisión, cromada, sin desgaste y con regulación fina.
- Piezas metálicas niqueladas.
- Pera de látex con válvula de purga de aire.
- Brazalete con bolsa de látex, 2 tubos.
- Estuche metálico irrompible para una larga vida útil, con amplio espacio para el brazalete y la pera de látex.
- Colores disponibles: gris claro, gris pizarra, azul, azafrán y verde.

diplomat-presameter®



Tensiómetro de mercurio de gran durabilidad, modelos de sobremesa, de pared o de pie.

- Tubo de vidrio de precisión, con diámetro interno de 4,2 mm +/- 0,2 mm. En el modelo de pie, diámetro interno de 5,0 mm y escala inclinada para una óptima legibilidad.
- Válvula de purga de aire de precisión, cromada, sin desgaste y con regulación fina.
- Piezas metálicas cromadas.
- Pera de látex con válvula de purga de aire.
- Brazalete con bolsa de látex, 2 tubos.
- Tubo en espiral extensible hasta 3 m.

nova-presameter®



Modelo de sobremesa:

- Estuche metálico irrompible para una larga vida útil, con amplio espacio para el brazalete y la pera de látex.

Modelo de pared:

- Sujeción fija a la pared, no giratorio.

Modelo de pie:

- Selección entre dos pies de gran estabilidad:
  Ø 38 cm, acero con revestimiento pulverizado, cinco ruedas
  Ø 55 cm, acero inoxidable, cinco ruedas, dos de ellas con freno para la máxima seguridad y estabilidad.
  Altura del pie regulable de 1,05 m a 1,30 m.

nova-presameter®



El tensiómetro de mercurio con la tecnología de medición de Riester más moderna.

- Diseño atractivo combinado con una robustez que lo hace apropiado para el uso diario, disponible en modelos de sobremesa, pared, pie o para anestesia.
- Tubo de vidrio de precisión, con diámetro interno de 4,2 mm +/- 0,2 mm.
- Válvula de purga de aire de precisión, cromada, sin desgaste y con regulación fina.
- Piezas metálicas cromadas.
- Pera de látex con válvula de purga de aire.
- Brazalete con bolsa de látex, 2 tubos.
- Tubo en espiral extensible hasta 3 m.

empire® N



Modelo de sobremesa:

- Especialmente resistente.

Modelo de pared:

- Ideal para cualquier habitación de hospital.
- Posibilidad de giro horizontal de 65° a la izquierda y 65° a la derecha.
- Soporte mural reforzado con fibra de vidrio para la máxima resistencia (comparable al acero).
- Fácilmente transformable en modelo para fijación a barra.

Modelo para anestesia:

- Las mismas características que el modelo de pared.
- Fácilmente transformable en modelo de pared.

empire® N



Modelo de pie:

- Selección entre dos pies de gran estabilidad:
  Ø 38 cm, acero con revestimiento pulverizado, cinco ruedas
  Ø 55 cm, acero inoxidable, cinco ruedas, dos de ellas bloqueables, para la máxima estabilidad.

- Altura del pie regulable de 1,05 m a 1,30 m.

empire® N





¡Un modelo de pared en plena forma!

- Posibilidad de giro horizontal de 50° a la izquierda y 50° a la derecha.
- Tubo de vidrio de precisión, con diámetro interno de 4,2 mm +/- 0,2 mm.
- Válvula de purga de aire de precisión, cromada, sin desgaste y con regulación fina.
- Piezas metálicas cromadas.
- Pera de látex con válvula de purga de aire.
- Brazalete con bolsa de látex, 2 tubos.
- Tubo en espiral extensible hasta 3 m.

global de luxe®

Tensiómetros aneroides







- Amplísima selección de diversas versiones, diseños y colores, con brazaletes de alta calidad en diferentes tamaños y materiales;
  Made in Germany.

- Membranas de cobre-berilio especialmente endurecidas; sin envejecimiento ni desgaste, resisten presiones de hasta 600 mm Hg.

- Ajuste exacto de fábrica del punto cero. Sin fijación manual del punto cero, según lo exigido por las normas internacionales.

- Tolerancia de error máxima de +/- 3 mm Hg; la norma interna de la casa es: +/-2 mm Hg.

- Escalas de manómetro lineales de excelente legibilidad, hasta 300 mm Hg.

- Los microfiltros en las válvulas de purga protegen las válvulas y los sistemas de medición.

- Uso de materiales resistentes a los golpes.

- Todos los aparatos están disponibles en versión sin látex.



Tensiómetro de reloj de calidad extraordinaria. Modelo de un tubo.

- Carcasa metálica de cromado brillante, con anillo metálico, protegida contra la corrosión.
- Fijación roscada metálica del tubo en la parte superior del manómetro, para un manejo sin obstáculos.
- Base de válvula metálica.
- Mango de cuchara en acero inoxidable.
- Escala lineal de aluminio Ø 49 mm, fácilmente legible.
- Pera de látex con válvula de purga de aire de precisión, cromada, con regulación fina y sin desgaste.
- Incluye bolsa de vinilo con cremallera.
- Colores disponibles: negro, gris pizarra, azul, azafrán y verde.

minimus® II



Tensiómetro de reloj con la máxima precisión y durabilidad.
Modelo de doble tubo.

- Carcasa metálica de cromado brillante, con anillo metálico, protegida contra la corrosión.
- Fijaciones roscadas de los tubos realizadas en metal.
- Base de válvula metálica.
- Mango de cuchara en acero inoxidable.
- Escala lineal de aluminio Ø 49 mm, fácilmente legible.
- Pera de látex con válvula de purga de aire de precisión, cromada, con regulación fina y sin desgaste.
- Incluye bolsa de vinilo con cremallera.

minimus® III



¡Un típico producto de calidad Riester!

- Base de válvula metálica.
- Mango de cuchara en acero inoxidable.
- Escala lineal de aluminio Ø 63 mm, fácilmente legible.
- Pera de látex con válvula de purga de aire de precisión, cromada, con regulación fina y sin desgaste.
- Incluye bolsa de vinilo con cremallera.

Con carcasa de plástico:

- Carcasa de plástico resistente, protegida contra la corrosión.
- Fijación roscada del tubo, metálica.

Con carcasa de aluminio:

- Carcasa sólida y ligera de aluminio.
- Fijación encajable del tubo, metálica.

precisa® N



Color azul, atractivo para los niños. Tensiómetro para usar con una sola mano para consultorios pediátricos y hospitales.

- Brazaletes con estampado de ositos, para niños, lactantes y recién nacidos.
- Manómetro disponible con carcasa metálica cromada o resistente carcasa de plástico.
- Mango de cuchara ergonómico de acero inoxidable.
- Manómetro metálico con escala de aluminio Ø 49 mm, manómetro de plástico con escala de aluminio Ø 63 mm, ambas lineales y fácilmente legibles.
- Pera de látex con válvula de purga de aire de precisión, cromada, con regulación fina y sin desgaste.
- En bolsa acolchada de nylon con cremallera.
- El conjunto Set II ofrece la combinación con el fonendos-copio pediátrico duplex® baby en colores a juego.

babyphon®



Tensiómetro para usar con una sola mano, de diseño totalmente ergonómico.
Adecuado para diestros y zurdos.

- Regulación de la válvula de purga de aire mediante una simple presión del dedo.
- Unión encajable para el tubo situada en la parte superior del manómetro, para mayor comodidad durante la medición de la tensión.
- Pera sin látex para inflar el brazalete.
- Escala lineal de aluminio Ø 64 mm, fácilmente legible.
- Funda de vinilo con cremallera.
- Colores disponibles: gris pizarra, azul, azafrán y verde.

ri-san®



El servicio especial de Riester: ¡Prácticos conjuntos combi-set con extraordinarias ventajas de precio!

• Ideales para médicos y estudiantes y para cualquier hospital.

• Conjuntos con colores a juego.

• Colores disponibles: gris pizarra, azul, azafrán y verde.

• Posibilidad de combinaciones personalizadas.

ri-san® combi sets

fortelux® H   pen-scope®   ri-mini®   duplex®



Exclusivo de Riester:
diseño ergonómico, última tecnología
y diseño atractivo.
Apto para usuarios diestros y zurdos.

- Disponible como modelo de un tubo o doble tubo, o en un conjunto con tres tamaños de brazalete.
- Fácil transformación de modelo de un tubo a modelo de doble tubo.
- Fijación roscada del tubo segura, en metal, para cambiar los brazaletes con facilidad.
- Pera sin látex para inflar el brazalete.
- Escala lineal de aluminio de gran tamaño (Ø 63 mm), fácilmente legible.
- En bolsa acolchada de nylon con cremallera.

ri-med®



¡Exclusividad en estado puro! Transformable de modelo para diestros en modelo para zurdos.

- Modelo de un tubo.
- Con protección de goma para la carcasa.
- Escala lineal de aluminio Ø 53 mm, fácilmente legible.
- Fijación roscada metálica del tubo, para cambiar los brazaletes rápidamente.
- Válvula de purga de precisión, con ajuste fino y sin desgaste.
- Pera sin látex para inflar el brazalete.
- En bolsa acolchada de nylon con cremallera.

ri-mega®



Un clásico muy apreciado, en versión de dos tubos.

- Puede elegirse entre una carcasa metálica con cromado de alto brillo o pintada en negro o una carcasa de plástico negro.
- Pinza metálica inoxidable para enganchar el manómetro al brazalete.
- Pera de látex con válvula de purga de aire de precisión con regulación fina y sin desgaste.
- Escala lineal de aluminio Ø 49 mm, fácilmente legible.
- Funda de vinilo con cremallera.

exacta®



Altísima precisión y excelente funcionalidad.

- La carcasa metálica cromada está montada en el brazalete de forma fija.
- Brazaletes de algodón de alta calidad, con aplicaciones de cuero artificial y puente metálico para pasar el brazalete. Tamaños para adultos, niños y lactantes.
- Pera de látex con válvula de purga de aire de precisión con regulación fina y sin desgaste.
- Escala lineal de aluminio Ø 49 mm, fácilmente legible.
- En bolsa acolchada de nylon con cremallera.

sphygmotensiophone®



Máxima precisión, para toda la vida.

- Disponible como modelo de sobremesa, pared, pie o para anestesia, en versiones redonda o cuadrada.
- Escala de gran tamaño (Ø 147,2 mm o □145,5 mm) y elevado contraste, para una legibilidad óptima.
- Amplio cestillo en la parte posterior del aparato para tubos y brazalete.
- Pera de látex para inflar el brazalete.
- Tubo en espiral extensible hasta 3 m.
- Válvula de purga de aire sin desgaste, con regulación fina.
- Mecanismo de precisión montado sobre un puente especial, para una absoluta estabilidad del sistema de medición y del punto cero.

big ben®



Modelo de sobremesa:

- Extremadamente resistente.

Modelo de pared:

- Ideal para cualquier habitación de hospital.
- Posibilidad de giro horizontal de 65° a la izquierda y 65° a la derecha.
- Soporte mural reforzado con fibra de vidrio para la máxima resistencia (comparable al acero).
- Fácilmente transformable en modelo para fijación a barra.

Modelo para anestesia:

- Las mismas características que el modelo de pared.
- Fácilmente transformable en modelo de pared.



Modelo de pie:

- Selección entre dos pies de gran estabilidad:
  Ø 38 cm, acero con revestimiento pulverizado, cinco ruedas
  Ø 55 cm, acero inoxidable, cinco ruedas, dos de ellas con freno para la máxima seguridad y estabilidad.

- Altura del pie regulable de 1,05 m a 1,30 m.

big ben®



Un típico producto de calidad Riester: para medición de la tensión arterial y control de la circulación periférica.

- Carcasa metálica triangular con cromado de alto brillo, protegida contra la corrosión.
- Escala superior para lectura de la oscilación.
- Escala lineal de aluminio fácilmente legible, de Ø 47 mm, para lectura de los valores de tensión arterial.
- Pera de látex con válvula de purga de aire de precisión con regulación fina y sin desgaste.
- Con brazalete Gallavardin de dos bolsas.
- Elegante bolsa de cuero artificial.

oscillometer pachon



Medición de la tensión arterial y control de la circulación periférica en un único aparato.

- Carcasa metálica cromada de alto brillo, protegida contra la corrosión.
- Una aguja para tensión arterial y oscilación.
- Escala lineal de aluminio de gran tamaño (Ø 87 mm).
- Pera de látex con válvula de purga de aire de precisión con regulación fina y sin desgaste.
- Con brazalete Gallavardin de dos bolsas.
- Montaje fijo en un atractivo estuche.

oscillomat

Tensiómetros para el autocontrol



- Gran selección de tensiómetros clásicos para usar con una sola mano combinados con fonendoscopio. Made in Germany.
- Atractiva selección de tensiómetros digitales para medición en el brazo –Made in Germany– y para medición en la muñeca.
- Gran selección de diversos brazaletes de calidad. con puentes, para un manejo extremadamente sencillo.
- Máxima tolerancia de error: +/-3 mm Hg.
- Todos los aparatos están disponibles en versión sin látex.



Tensiómetro clásico para usar con una sola mano, para un autocontrol preciso de la tensión. Incluye fonendoscopio.

- Adecuado para personas con trastornos del ritmo cardiaco.
- Cápsula del fonendoscopio montada de forma fija en el brazalete.
- Carcasa metálica de aluminio, con anillo metálico, protegida contra la corrosión.
- Fijación encajable del tubo, metálica.
- Base de válvula metálica.
- Mango de cuchara en acero inoxidable.
- Escala lineal de aluminio Ø 64 mm, fácilmente legible.
- Pera de látex con válvula de purga de aire de precisión, cromada, con regulación fina y sin desgaste.

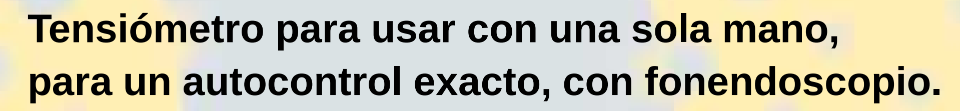
sanaphon®



- En bolsa acolchada de nylon con cremallera.
- Incluye una tarjeta personal para los valores de tensión.
- En atractivas cajas de cartón para promover las ventas.

sanaphon®





Tensiómetro para usar con una sola mano, para un autocontrol exacto, con fonendoscopio.

- Diseño ergonómico en colores atractivos.
- Apto para diestros y zurdos.
- Adecuado para personas con trastornos del ritmo cardiaco.
- Cápsula del fonendoscopio montada de forma fija en el brazalete.
- Purga de aire con una sencilla presión del dedo, con regulación fina.
- Conexión encajable del tubo.
- Pera sin látex.
- Escala lineal de aluminio Ø 64 mm, fácilmente legible.
- En bolsa acolchada de nylon con cremallera.
- Incluye una tarjeta personal para los valores de tensión.
- En atractivas cajas de cartón para promover las ventas.

ri-san®



Autocontrol digital de las pulsaciones y la tensión arterial con extraordinaria precisión y diseño atractivo. Made in Germany. 3 años de garantía.

- Pantalla LCD extragrande.
- Ocho posiciones de memoria con determinación del valor medio.
- Señal acústica.
- Incluye una tarjeta personal para los valores de tensión.
- Incluye dos pilas alcalinas de manganeso de altas prestaciones de tipo AA de 1,5 V.
- Preajuste automático de la presión.

ri-fit® / ri-champion®



ri-fit® – semiautomático

- Inflado manual, purga de aire automática.

ri-champion® – totalmente automático

- ri-champion es más preciso que otros tensiómetros comparables de su categoría. ¡Precisión demostrada en pruebas realizadas por organismos independientes!
- Inflado automático, purga de aire automática.
- Preajuste automático de la presión.
- En atractivas cajas de cartón para promover las ventas.

ri-fit® / ri-champion®



Tensiómetro digital para medición de la tensión y las pulsaciones en la muñeca.



- Altísima precisión y facilidad de uso.
- Diseño moderno y atractivo.
- Medición rápida.
- Memoria para 48 mediciones con la fecha y hora correspondientes e indicación del valor medio.
- Señal acústica.
- Brazalete para perímetros de muñeca de 13,5 cm a 19,5 cm.
- Incluye dos pilas alcalinas de manganeso de altas prestaciones de tipo AAA de 1,5 V.
- En atractivas cajas de cartón para promover las ventas.

ri-handy®







Rápidos. Fiables. Claros.

Instrumentos de ORL
Instrumentos oftalmológicos

Instrumentos de ORL y oftalmológicos con iluminación estándar



- Selección de económicos instrumentos de ORL y oftalmoscopios con **lámparas de vacío** de 2,7 V, para médicos y estudiantes.
- Desde robustos instrumentos metálicos hasta modernos instrumentos de bolsillo fabricados en plástico con colores actuales y atractivos.
- Magnífica relación calidad/precio.



Diafragma:
círculo grande

D +	0,5 1 1,5 2 3 4 5 6 8 10 12 15 20
D –	1 2 3 4 5 6 8 10 15 20

Ø 2 3 4 mm

Conjuntos de diagnóstico robustos fabricados en metal.

Otoscopio uni® I

- Cabezal del otoscopio cromado, resistente.
- Con cierre encajable
- Tapa de vidrio desmontable
- Conector para prueba neumática
- Lente desmontable cromada de 4 aumentos.
- Espéculos auriculares reutilizables Ø 2 mm, 3 mm y 4 mm.

Oftalmoscopio May uni® II

- Cabezal del oftalmoscopio con conexión encajable
- Lentes correctoras de 0 a +20 y de 0 a –20 dioptrías.
- Diafragma: círculo grande.

uni®

uni® I uni® II uni® III



Riester

Ø 2 3 4 mm

Diafragma: circulo grande

D +	0,5 1 1,5 2 3 4 5 6 8 10 12 15 20
D –	1 2 3 4 5 6 8 10 15 20

Otoscopio/oftalmoscopio May uni® III

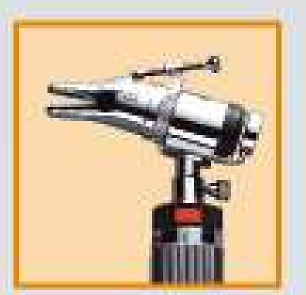
- Incluye todas las características de uni® I y uni® II.
- Todas las versiones están equipadas con mango para pilas tipo C, para dos pilas tipo C, con reostato para regular la intensidad luminosa.
- Opcionalmente pueden adquirirse espéculos con Ø 5 mm y 9 mm (espéculos nasales).

uni®

uni® I **uni® II** **uni® III**











El conjunto de diagnóstico completo en estuche de lujo de color negro.

- Elección entre dos conjuntos: con espéculo nasal expansible o espéculo nasal de Ø 9 mm.

Otoscopio uni® I

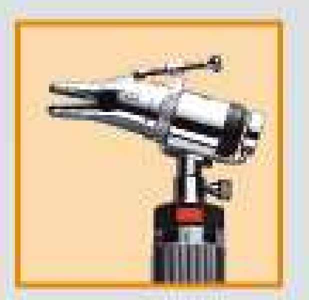
- Cabezal del otoscopio cromado, resistente.
- Con cierre encajable
- Tapa de vidrio desmontable
- Conector para prueba neumática
- Lente desmontable cromada de 4 aumentos.
- Espéculos auriculares reutilizables Ø 2 mm, 3 mm y 4 mm.

Diafragma: circulo grande

D +	0,5 1 1,5 2 3 4 5 6 8 10 12 15 20
D –	1 2 3 4 5 6 8 10 15 20

econom®











Ø 9 mm



Oftalmoscopio May uni® II

- Cabezal del oftalmoscopio con conexión encajable
- Lentes correctoras de 0 a +20 y de 0 a –20 dioptrías.
- Diafragma: círculo grande.

Espéculo nasal expansible

- Expansible.
- Metal cromado.

Portalámparas

- Metal cromado.
- Dos espejos laríngeos: nº 3 y nº 4.

Portalámparas

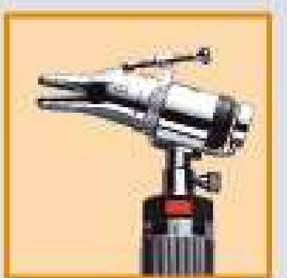
- Metal cromado, para depresores linguales de madera de los tamaños habituales.

Diafragma: círculo grande

D +	**0,5 1 1,5 2 3 4 5 6 8 10 12 15 20**
D –	**1 2 3 4 5 6 8 10 15 20**

econom®

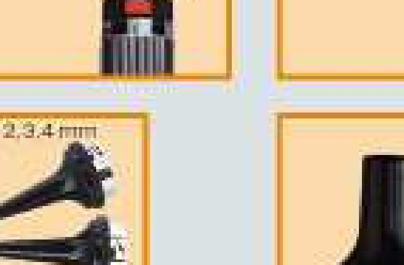














- Con mango para pilas tipo C, para dos pilas tipo C, con reostato para regular la intensidad luminosa.

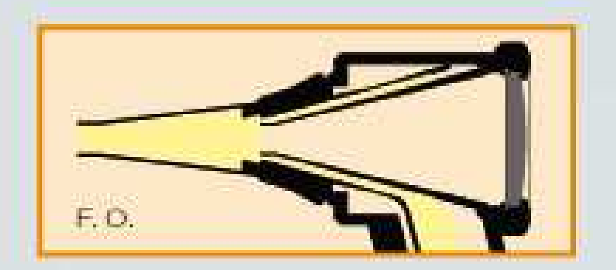
- Opcionalmente pueden adquirirse espéculos con Ø 5 mm y 9 mm (espéculos nasales).



Diafragma: círculo grande

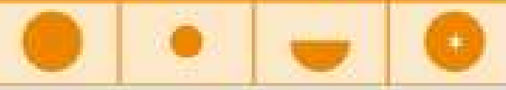
D +	0,5 1 1,5 2 3 4 5 6 8 10 12 15 20
D –	1 2 3 4 5 6 8 10 15 20

econom®









Círculo | Círculo pequeño | Semicírculo | Estrella de fijación |



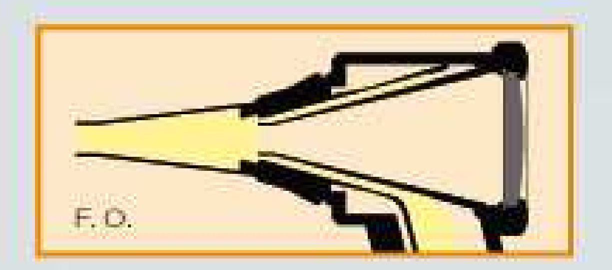
Diagnóstico con formato de bolsillo.

- Selección de otoscopios, oftalmoscopios y oto/oftalmoscopios en atractiva bolsa de nylon o caja de cartón.
- Magnífica relación calidad/precio.
- Práctica pinza metálica en el mango para fijar a la bata.

Otoscopio

- Otoscopio con sistema de fibra óptica para una concentración óptima de la luz a fin de lograr los mejores resultados de iluminación.
- Lupa de 2,5 aumentos, desmontable, ideal para introducir instrumentos externos.
- Con conector metálico para prueba neumática.
- Mango para pilas, para dos pilas tipo AA.
- Tubos de plástico con cinco espéculos auriculares reutilizables cada uno, de 2,5 mm y 4 mm.
- Opcionalmente están disponibles espéculos auriculares de tamaños 2 mm, 3 mm y 5 mm.

pen-scope®







Oftalmoscopio

- Cuatro diafragmas diferentes (véase ilustración).
- Lentes correctoras de 0 a +20 y de 0 a –20 dioptrías.
- Ruedecilla de ajuste del diafragma de fácil manejo.
- Protector para gafas integrado.





Círculo | Círculo pequeño | Semicírculo | Estrella de fijación |





pen-scope®



Lámparas para diagnóstico resistentes en colores atractivos.

- Carcasas de aluminio resistentes y duraderas.
- Encendido y apagado sencillos mediante contacto en la pinza metálica.
- Práctica posiblidad de fijación a la bata.
- Disponibles en seis atractivos colores.
- Se suministran sueltas o en envases de seis unidades, en distintos colores o seis unidades del mismo color.
- Se incluyen dos pilas tipo AAA.



fortelux® N



Conjunto de diagnóstico extremadamente económico, para estudiantes.

- Con lámpara para diagnóstico fortelux® N, incluye dos pilas tipo AAA.
- Soporte de plástico para pala.
- Espejo laríngeo de plástico.
- Filtro azul con montura de plástico blanco.
- Estuche de plástico.

ri-light®

Instrumentos de ORL y oftalmológicos con iluminación halógeno



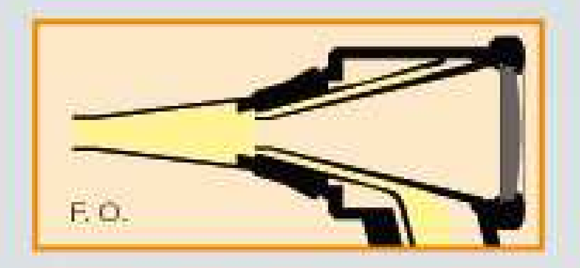






- Gran selección de otoscopios y oftalmoscopios de alta calidad para todas las situaciones, desde instrumentos de bolsillo hasta instrumentos metálicos de calidad superior.
- Numerosos mangos y posibilidades de carga.
- Muchas posibilidades de combinación.
- Desde lámparas halógenas para instrumentos de 2,5 V hasta lámparas de xenón de la máxima categoría para instrumentos de 3,5 V.







Círculo | Círculo pequeño | Semicírculo |
Estrella de fijación | Filtro exento de rojo





Diagnóstico moderno de alta calidad con formato de bolsillo.

- Selección de otoscopios, oftalmoscopios y oto/oftalmoscopios en atractiva bolsa de nylon o caja de cartón.
- Insuperable relación calidad/precio.
- Práctica pinza metálica en el mango para fijar a la bata.

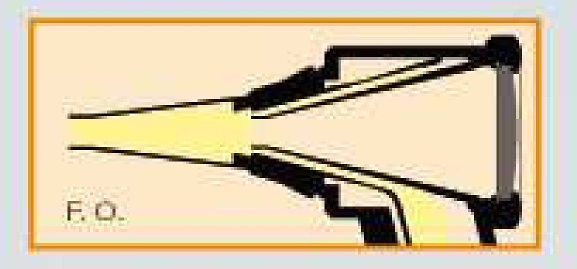
Otoscopio

- Otoscopio con sistema de fibra óptica para una concentración óptima de la luz a fin de lograr los mejores resultados de iluminación.
- Lupa de 2,5 aumentos, desmontable, ideal para introducir instrumentos externos.
- Con conector metálico para prueba neumática.
- Mango para pilas, para dos pilas tipo AA.



ri-mini®







Círculo | Círculo pequeño | Semicírculo | Estrella de fijación | Filtro exento de rojo





- Tubos de plástico con cinco espéculos auriculares reutilizables cada uno, de 2,5 mm y 4 mm.
- Opcionalmente están disponibles espéculos auriculares de tamaños 2 mm, 3 mm y 5 mm.

Ophthalmoskop

- Cuatro diafragmas diferentes.
- Filtro exento de rojo para detectar modificaciones vasculares mínimas.
- Lentes correctoras de 0 a +20 y de 0 a –20 dioptrías.
- Ruedecilla de ajuste del diafragma de fácil manejo.
- Protector para gafas integrado.





Potente y moderna lámpara de diagnóstico. ¡El complemento ideal para los instrumentos ri-mini®!



- Luz halógena brillante concentrada de 2,5 V.
- Mango AA para dos pilas tipo AA 1,5 V.
- Práctica pinza metálica para fijar en la bata.
- Incluye soporte para todos los depresores linguales de madera habituales en el mercado.
- En moderna bolsa de nylon con correa de transporte.
- Atractiva selección de colores, a juego con ri-mini®, pen-scope® y otros productos Riester.

fortelux® H





Otoscopio y oftalmoscopio resistentes en formato de bolsillo.

- Posibilidad de elegir entre otoscopio, oftalmoscopio u oto/oftalmoscopio de 2,5 V, con diferentes posibilidades de carga.
- En estuche de lujo con cierre de seguridad.

Otoscopio

- Otoscopio con sistema de fibra óptica para una concentración óptima de la luz a fin de lograr los mejores resultados de iluminación.
- Manejo absolutamente higiénico gracias al expulsor de espéculos SpecEjec® de Riester.
- Lente orientable de 2,5 aumentos.
- Conector metálico para prueba neumática
- Tubos de plástico con cinco espéculos auriculares reutilizables cada uno, de 2,5 mm y 4 mm.
- Tamaños de espéculo opcionales 2 mm, 3 mm, 5 mm y 9 mm (espéculos nasales).
- Práctico cierre roscado.

ri-star®





Oftalmoscopio

- Con cuatro diafragmas diferentes: Círculo pequeño.
- Filtro exento de rojo para detectar modificaciones vasculares mínimas.
- Lentes correctoras de 0 a +20 y de 0 a –20 dioptrías.
- Ruedecilla de ajuste del diafragma de fácil manejo.
- Cierre deslizante para evitar la entrada de polvo.
- Protector para gafas integrado.
- Práctico cierre roscado.

Mango

- Mango metálico resistente tipo AA para dos pilas tipo AA o una batería ri-accu® 2,5 V recargable con el cargador ri-charger® de Riester.

ri-star®





La línea ri-scope® de Riester. El privilegio de un diagnóstico perfecto.

- Tecnología de iluminación XL
  Las lámparas de xenón proporcionan una luz más brillante y blanca para un diagnóstico más preciso. La vida útil de las lámparas no sufre variaciones.
  Todos los modelos de 3,5 V de la línea ri-scope® y ri-derma® están equipados con iluminación de xenón. Los modelos de 2,5 V se suministran con iluminación halógena.

- SpecEjec®
  El pulsador de eyección de espéculos SpecEjec® de Riester permite un manejo higiénico y sencillo.

- Mango sensomatic® de Riester
  Este mango para pilas patentado hace innecesario encender y apagar el aparato. El mango se enciende automáticamente al tocarlo y se apaga al soltarlo. Una solución cómoda que ahorra tiempo.



Otoscopio profesional para la práctica diaria en el consultorio y la clínica.



- Elección entre lámparas halógenas de alta calidad HL de 2,5 V o lámparas de xenón XL de 3,5 V.
- Fibra óptica para una concentración y transmisión óptimas de la luz, lo que en combinación con la lámpara proporciona una luz fría óptima para la exploración. Agradable para los pacientes.
- Más higiene con SpecEjec®: el dispositivo de expulsión de espéculos permite expulsar sin tocarlos los espéculos auriculares usados.
- Sistema cerrado para otoscopia neumática.
- Utilizando un espéculo nasal de 9 mm, el otoscopio puede emplearse de forma rápida y sencilla para exploraciones nasales.
- Lente desmontable de 2,5 aumentos.
- La lente orientable desmontable de 4 aumentos (orientable hacia ambos lados) permite intervenciones menores en el oído.



ri-scope® otoscopio





- Conexión para soplador, para otoscopia neumática destinada al diagnóstico de trastornos del oído medio. El tímpano puede estudiarse de forma precisa generando una presión positiva y negativa.
- El cabezal del otoscopio fabricado en plástico ABS muy resistente garantiza una gran durabilidad con poco peso.
- Con cierre de bayoneta para colocar rápidamente el cabezal en el mango.
- Sustitución sencilla de la lámpara en la parte inferior del cabezal.
- Posibilidad de encargar adicionalmente pera para prueba neumática.



ri-scope® otoscopio



Gran selección de diversos envases de espéculos auriculares desechables y reutilizables.



- Diversos tamaños: 2 mm, 2,5 mm, 3 mm, 4 mm, 5 mm y 9 mm (espéculo nasal).
- Los espéculos auriculares Riester pueden introducirse fácilmente en el oído y se adaptan de forma óptima al conducto auditivo.
- Han sido especialmente desarrollados para la función SpecEjec® y resultan absolutamente fiables en su uso.
- Todos los espéculos auriculares pueden desinfectarse por medios convencionales o esterilizarse en autoclave a 134°C durante 10 minutos.







Otoscopio práctico para intervenciones en el oído.

- Otoscopio quirúrgico metálico de gran durabilidad.
- Alojamiento para espéculo construido en plástico reforzado con fibra de vidrio, duradero y de resistencia similar al acero.
- Elección entre lámparas halógenas de alta calidad HL de 2,5 V o lámparas de xenón XL de 3,5 V.
- Su diseño abierto permite manejar instrumentos sin obstáculos.
- Lente desmontable orientable de 2,5 aumentos.
- Con cierre de bayoneta para colocar rápidamente el cabezal en el mango.
- Sustitución sencilla de la lámpara.
- Espéculos auriculares reutilizables de 2 mm, 2,5 mm, 3 mm, 4 mm, 5 mm y 9 mm (espéculo nasal) con extremo metálico.
- Todos los espéculos auriculares pueden desinfectarse por medios convencionales o esterilizarse en autoclave a 134°C durante 10 minutos.

ri-scope® otoscopio quirúrgico médico







Práctico otoscopio veterinario.

- Otoscopio quirúrgico metálico de gran durabilidad.
- Alojamiento para espéculo construido en metal.
- Elección entre lámparas halógenas de alta calidad HL de 2,5 V o lámparas de xenón XL de 3,5 V.
- Su diseño abierto permite manejar instrumentos sin obstáculos.
- Lente desmontable y orientable de 2,5 aumentos.
- Con cierre de bayoneta para colocar rápidamente el cabezal en el mango.
- Sustitución sencilla de la lámpara.

ri-scope® otoscopio quirúrgico veterinario



Espéculos auriculares 4 mm, 5 mm, 6 mm, 7,5 mm y 9,4 mm



- Espéculos auriculares metálicos de alta calidad, cerrados y con ranura para un manejo idóneo de los instrumentos.
- Pueden desinfectarse con medios convencionales o esterilizarse en autoclave a 134°C durante 10 minutos.
- Nº 1: orificio Ø 5 mm, 52 mm longitud total
- Nº 2: orificio Ø 4 mm, 83 mm longitud total
- Nº 3: orificio Ø 6 mm, 82 mm longitud total
- Nº 4: con ranura, Ø exterior 7,5 mm, 68 mm longitud total
- Nº 5: con ranura, Ø exterior 9,4 mm, 92 mm longitud total





Dirección visual del médico

Ojo del paciente

Retina

carcasa con ruedecilla de lentes

Una ayuda versátil para exploraciones generales y especiales.

- Trayectoria óptica de los rayos: ángulo mínimo entre el haz de observación y el haz de iluminación, para evitar efectos de paralaje y sombras. Esto hace que se den las mejores condiciones posibles para la exploración oftalmológica.
- Elección entre lámparas halógenas de alta calidad HL de 2,5 V o lámparas de xenón XL de 3,5 V.
- Carcasa reforzada con fibra de vidrio, de resistencia similar al acero; absolutamente robusta, resistente a los golpes y ligera; gran durabilidad.
- Con cierre de bayoneta para colocar rápidamente el cabezal en el mango.
- Sustitución sencilla de la lámpara en la parte inferior del cabezal.

ri-scope® oftalmoscopio

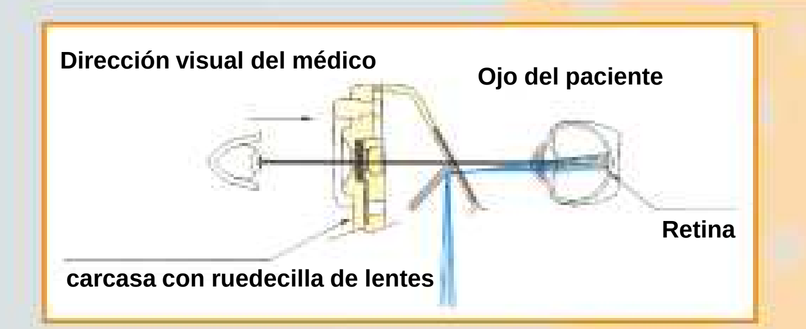




Ilustraciones y descripciones de fondos de ojo con patologías a modo de ejemplo.

Círculo | Círculo grande | Rombo | Ranura | Estrella de fijación

Filtro exento de rojo | Filtro de polarización | Filtro azul



Lado del médico

- Ruedecilla de lentes de 0 a +40 D y 0 a -35 D. Imagen nítida incluso en caso de anomalías refractivas elevadas.
- Protector para gafas.
- Pantalla con luz.

Lado del paciente

- Ruedecilla de diafragmas de fácil manejo, con seis diafragmas para exploraciones generales y especiales.
- Ruedecilla de filtros de fácil manejo, con tres filtros.
- **El detalle especial:** cada diafragma puede combinarse con cualquier filtro, por lo que puede elegirse entre **un total de 24 diafragmas**.
- Carcasa reforzada con fibra de vidrio, de resistencia similar al acero; absolutamente robusta, resistente a los golpes y ligera; gran durabilidad.
- **Particularidad adicional de Riester:** la ruedecilla de enfoque adicional permite ajustar el grado de nitidez del haz luminoso en el ojo. Esto permite un diagnóstico aún más preciso.

ri-scope® oftalmoscopio



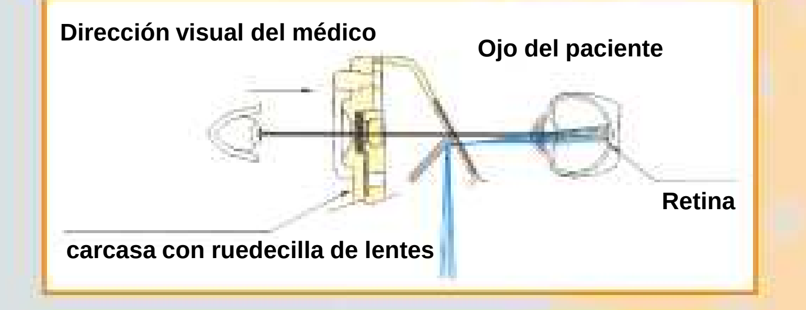


D +	1	2	3	4	6	10	15	20
D –	1	2	3	4	6	10	15	20

Ilustraciones y descripciones de fondos de ojo con patologías a modo de ejemplo.

Círculo | Círculo grande | Rombo | Ranura|Estrella de fijación

Filtro exento de rojo | Filtro de polarización | Filtro azul



Diafragmas con filtros

- Círculo pequeño: para reducir el reflejo en pupilas pequeñas
- Círculo grande: para exploraciones normales de fondo de ojo.
- Rombo: para la determinación topográfica de modificaciones en la retina.
- Ranura: para determinar diferencias de nivel, p.ej. en caso de lesiones o tumores.
- Estrella de fijación: para determinar una fijación central o excéntrica.

ri-scope® oftalmoscopio



Filtros

- Filtro exento de rojo: aumenta el contraste para evaluar modificaciones vasculares mínimas, p.ej. hemorragias de retina.
- Filtro de polarización: para evaluar con exactitud los colores de los tejidos y reducir la reflexión en la córnea.
- Filtro azul: para una mejor detección de anomalías vasculares o hemorragias, para oftalmología de fluorescencia.

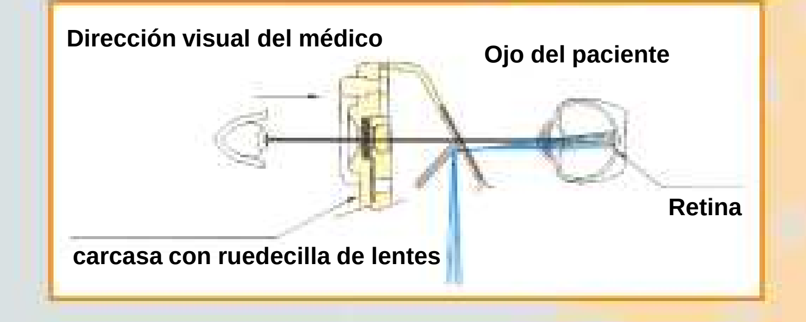


D +	1	2	3	4	6	10	15	20
D –	1	2	3	4	6	10	15	20

Ilustraciones y descripciones de fondos de ojo con patologías a modo de ejemplo.

Círculo | **Círculo grande** | **Rombo** | **Ranura**|**Estrella de fijación**

Filtro exento de rojo | **Filtro de polarización** | **Filtro azul**



ri-scope® oftalmoscopio



Determinación precisa de la miopía, hipermetropía y astigmatismo.

- La esquiascopia (del griego *skia* = sombra) es un método oftalmológico para medir el poder refractor del ojo, y así determinar anomalías refractivas como miopía, hipermetropía o astigmatismo.

- Puede elegirse entre un esquiascopio ri-scope® de punto y un esquiascopio ri-scope® de raya:

  Esquiascopio de punto: haz luminoso circular.

  Esquiascopio de raya: haz luminoso en forma de raya. Facilita especialmente la detección y determinación de anomalías refractivas de tipo astigmático.

- Cada esquiascopio se suministra con dos tarjetas que se fijan al instrumento para que el ojo del paciente pueda acomodarse a la distancia al esquiascopio.

- Distancia del esquiascopio al paciente: 50 cm.





ri-scope® retinoscopio (esquiascopio)





birthday atmosphere interesting
prescription intelligent
eloquent particular
habitual sequence
education message
innocent freedom
edition critical
phoning custom
installation evolution
consequently wickedness
rebellion traction attenuation
disgruntled liquid columnist

- El reflejo en forma de raya se hace pasar sobre la pupila del paciente en dirección perpendicular al eje, realizando ligeros movimientos pendulares con el esquiascopio. La sombra se mueve en el mismo sentido o en sentido inverso.

  Movimiento en el mismo sentido = líneas positivas = paciente hipermétrope.
  Movimiento en sentido contrario = líneas negativas = paciente miope.
  La evaluación del astigmatismo es más compleja, y se explica en el manual de empleo.

- Manejo sencillo, un elemento de manejo para todas las exploraciones.

- Escala integrada.

- Elección entre lámparas halógenas de alta calidad HL de 2,5 V o lámparas de xenón XL de 3,5 V.

- Carcasa estanca al polvo de gran durabilidad, fabricada en material ABS de alta calidad.

- Con cierre de bayoneta para colocar rápidamente el cabezal en el mango.

- Sustitución sencilla de la lámpara en la parte inferior del cabezal.

- Incluye dos tarjetas de lectura.

ri-scope® retinoscopio
(esquiascopio)



El soporte iluminado ideal para todos los depresores linguales de tipo habitual.



- Elección entre lámparas halógenas de alta calidad HL de 2,5 V o lámparas de xenón XL de 3,5 V.
- El dispositivo deslizante para fijar y soltar el depresor lingual de madera garantiza una sujeción firme.
- Material ABS de alta calidad y gran resistencia.
- Con cierre de bayoneta para colocar rápidamente el cabezal en el mango.
- Sustitución sencilla de la lámpara en la parte inferior del cabezal.
- Desinfectable según las instrucciones que figuran en el manual.

ri-scope® soporte para pala





- Elección entre lámparas halógenas de alta calidad HL de 2,5 V o lámparas de xenón XL de 3,5 V.
- Expansión lenta controlada del espéculo mediante giro del tornillo, expansión rápida mediante presión del tornillo hacia abajo.
- Lente desmontable y orientable de 2,5 aumentos.
- Plástico reforzado con fibra de vidrio (resistente como el acero), máxima durabilidad.
- Con cierre de bayoneta para colocar rápidamente el cabezal en el mango.
- Sustitución sencilla de la lámpara en la parte inferior del cabezal.
- Desinfectable según las instrucciones que figuran en el manual.

ri-scope® espéculo nasal





Iluminación óptima de la garganta y la laringe.

- Elección entre lámparas halógenas de alta calidad HL de 2,5 V o lámparas de xenón XL de 3,5 V.
- Duradero y robusto, metal cromado.
- Con cierre de bayoneta para colocar rápidamente el cabezal en el mango.
- Sustitución sencilla de la lámpara en la parte inferior del cabezal.
- Desinfectable y esterilizable según las instrucciones que figuran en el manual.

Elección entre dos espejos laríngeos, nº 3 y 4.

- Para encajar en el portalámparas, ideal para iluminar y reflejar la zona de la laringe.
- Desinfectable y esterilizable según las instrucciones que figuran en el manual.

ri-scope® portalámparas



La más moderna microscopía de luz incidente

- Microscopía avanzada de luz incidente para explorar la superficie de la piel, en particular para el diagnóstico diferencial de modificaciones cutáneas pigmentadas, p.ej. melanoma maligno
- Las capas superiores de la piel se hacen transparentes mediante humectación con aceite de inmersión. Permite evaluar la estructura superficial, el color, la distribución de pigmento y las estructuras no melanocíticas.
- Elección entre lámparas halógenas de alta calidad HL de 2,5 V o lámparas de xenón XL de 3,5 V.
- Cabezal del instrumento de metal cromado, resistente y estanco al polvo.
- Lupa enfocable de 10 aumentos, para un diagnóstico preciso y unas imágenes ricas en detalle.
- Dos aditamentos agradables al tacto, uno de ellos con escala de 0 a 10 mm para medir las modificaciones cutáneas y uno sin escala; ambos son esterilizables.



ri-derma® cabezal de dermatoscopio



- Protector para gafas.
- Con cierre de bayoneta para colocar rápidamente el cabezal en el mango.
- Sustitución sencilla de la lámpara en la parte inferior del cabezal.



ri-derma® cabezal de dermatoscopio



- Para dos pilas tipo C o una batería recargable ri-accu® 2,5 V o 3,5 V, para utilizar con el cargador ri-charger®.
- Diámetro: 28 mm.
- Fabricado en metal negro cromado de alta calidad, resistente y duradero.
- Mango estriado para un agarre firme.
- Con reostato para regular la intensidad luminosa.
- Con práctico cierre de bayoneta para cambiar el cabezal de forma rápida y sencilla.
- Sustitución sencilla de las pilas en la parte inferior del mango.



mango para pilas de tipo C



Exclusivo de Riester: la función patentada sensomatic®.

- ¡No pierda más tiempo encendiendo y apagando los instrumentos!
- El mango se enciende automáticamente al tocarlo y se apaga al soltarlo. No puede ser más fácil y cómodo.
- Para dos pilas tipo C o una batería recargable ri-accu® 2,5 V o 3,5 V, para utilizar con el cargador ri-charger®.
- Diámetro: 28 mm.
- Fabricado en metal negro cromado de alta calidad, resistente y duradero.
- Mango estriado para un agarre firme.
- Sin reostato, para proporcionar siempre la luz más brillante posible.
- Con práctico cierre de bayoneta para cambiar el cabezal de forma rápida y sencilla.
- Sustitución sencilla de las pilas en la parte inferior del mango.



mango C sensomatic®





230 V

120 V

Mango para enchufe de red con reostato, de 2,5 V o 3,5 V, para cargar en una toma de corriente.

- Diámetro: 28 mm.
- Fabricado en metal negro cromado de alta calidad, resistente y duradero.
- Mango estriado para un agarre firme.
- Con reostato para regular la intensidad luminosa.
- Con práctico cierre de bayoneta para cambiar el cabezal de forma rápida y sencilla.
- Sustitución sencilla de las pilas en la parte inferior del mango.

mango para enchufe



230 V

120 V

Exclusivo de Riester: La función patentada sensomatic®.

- ¡No pierda más tiempo encendiendo y apagando los instrumentos!
- El mango se enciende automáticamente al tocarlo y se apaga al soltarlo. No puede ser más fácil y cómodo.
- Diámetro: 28 mm.
- Fabricado en metal negro cromado de alta calidad, resistente y duradero.
- Mango estriado para un agarre firme.
- Sin reostato, para proporcionar siempre la luz más brillante posible.
- Con práctico cierre de bayoneta para cambiar el cabezal de forma rápida y sencilla.
- Sustitución sencilla de las pilas en la parte inferior del mango.

mango para enchufe sensomatic®



Mango de metal de alta calidad y durabilidad, negro cromado



- Para 2 pilas tipo D
- Diámetro: 38,5 mm.
- Mango estriado para un agarre firme.
- Con reostato para regular la intensidad luminosa.
- Con práctico cierre de bayoneta para cambiar el cabezal de forma rápida y sencilla.
- Sustitución sencilla de las pilas en la parte inferior del mango.

Mango para pilas tipo D



Tanto en versión de sobremesa como de pared, ri-charger® es el cargador perfecto para todos los mangos recargables de 2,5 V y 3,5 V, para tensiones de red de 230 V o 120 V.



- ¡Permite cargar simultáneamente mangos de 2,5 V y 3,5 V!
- Tecnología de carga por impulsos para evitar el efecto memoria en las baterías recargables. Esto aumenta significativamente la vida útil.
- El piloto amarillo indica que el proceso de carga está en curso.
- Una vez finalizada la carga se enciende el piloto verde.
- Coloque los instrumentos en el cargador después de su uso: así estarán siempre listos para funcionar.
- Compartimento para guardar dos lámparas y espéculos auriculares de recambio.

ri-charger®



Estación de diagnóstico de Riester con una óptima relación coste-eficacia.

- Para todos los cabezales de instrumentos ri-scope® de 2,5 V y 3,5 V, tensión de red 230 V o 120V.
- Para todas las habitaciones de hospital o consultorios.
- Disponible como modelo de pared o para anestesia.
- Existen modelos con uno o dos mangos.
- Interruptor central basculante para encendido/apagado. Un piloto verde indica que el aparato está listo para funcionar.
- Desconexión automática de los instrumentos al introducir los mangos en el soporte mural.
- Mangos con reostato para regular la intensidad luminosa.
- Para fijar a la pared o a barras de tipo hospitalario.
- Posibilidad de combinaciones personalizadas.

ri-former®

ri-scope® Instrumentenköpfe


1


6


2


7


3


8


4


9


5

1 Otoscopio
2 Oftalmoscopio
3 Otoscopio quirúrgico médico
4 Otoscopio quirúrgico veterinario
5 Soporte para pala
6 Espéculo nasal
7 Portalámparas
8 Retinoscopio (punto/raya)
9 Dermatoscopio



- Posibilidad de combinaciones personalizadas.
- Compartimento para espéculos con dos portalámparas de recambio.
- Cinco espéculos auriculares desechables 2,5 mm, grises.
- Diez espéculos auriculares desechables 4 mm, grises.
- Cuatro espéculos auriculares reutilizables 2 mm, 3 mm, 4 mm y 5 mm, negros.
- Con práctico cierre de bayoneta para cambiar el cabezal de forma rápida y sencilla.
- El modelo para anestesia incluye abrazadera universal.
- Con tornillos y tacos

ri-former®

Juegos de instrumentos para diagnóstico



- Riester ofrece una amplia selección de juegos de diagnóstico combinados para la práctica clínica diaria.

- Todos los instrumentos de 2,5 V están equipados con lámparas halógenas HL. Todos los instrumentos de 3,5 V están equipados con lámparas de xenón XL.

- Todos los juegos están disponibles
  - con mango para pilas tipo C: 2,5 V o 3,5 V
  - con mango para pilas tipo C sensomatic®: 2,5 V o 3,5 V
  - con mango para enchufe: 2,5 V o 3,5 V – tensión de red 230 V o 120 V,
  - con mango para pilas tipo C: con pila recargable ri-accu® 2,5 V o 3,5 V y cargador ri-charger® 230 V o 120 V
  - con mango para pilas tipo C sensomatic®: con pila recargable ri-accu® 2,5 V o 3,5 V y cargador ri-charger® 230 V o 120 V.

- Si se desea también son posibles combinaciones con dos mangos.



Juegos de diagnóstico con otoscopio ri-scope®, en estuche



- Incluye tubito con cuatro espéculos auriculares reutilizables de 2 mm, 3 mm, 4 mm y 5 mm de color negro y cinco espéculos auriculares desechables grises de cada uno de los tamaños 2,5 mm y 4 mm.
- En estuche de lujo con apliques aterciopelados y cierres deslizantes de seguridad.



Oftalmoscopio ri-scope® en estuche

- Incluye lupa independiente de cinco aumentos.
- En estuche de lujo con apliques aterciopelados y cierres deslizantes de seguridad.







Otoscopio y oftalmoscopio ri-scope® en estuche

- Incluye tubito con cuatro espéculos auriculares reutilizables de 2 mm, 3 mm, 4 mm y 5 mm de color negro y cinco espéculos auriculares desechables grises de cada uno de los tamaños 2,5 mm y 4 mm.
- En estuche de lujo con apliques aterciopelados y cierres deslizantes de seguridad.

ri-scope®
otoscopio/oftalmoscopio



Conjunto de instrumentos de diagnóstico perfect:

otoscopio ri-scope®, oftalmoscopio ri-scope®, soporte para pala ri-scope®¸



- Incluye tubito con cuatro espéculos auriculares reutilizables de 2 mm, 3 mm, 4 mm y 5 mm de color negro y cinco espéculos auriculares desechables grises de cada uno de los tamaños 2,5 mm y 4 mm.
- En estuche de lujo con aplique aterciopelado.

perfect





Conjunto de instrumentos de diagnóstico para ORL

otoscopio ri-scope®, espéculo nasal ri-scope®, soporte para pala ri-scope®¸

- Incluye tubito con cuatro espéculos auriculares reutilizables de 2 mm, 3 mm, 4 mm y 5 mm de color negro y cinco espéculos auriculares desechables grises de cada uno de los tamaños 2,5 mm y 4 mm.
- En estuche de lujo con apliques aterciopelados y cierres deslizantes de seguridad.





Conjunto de instrumentos de diagnóstico praktikant

otoscopio ri-scope®, espéculo nasal ri-scope®, soporte para pala ri-scope®, portalámparas ri-scope®, dos espejos laríngeos nº 3 y nº 4.

- Incluye tubito con cuatro espéculos auriculares reutilizables de 2 mm, 3 mm, 4 mm y 5 mm de color negro y cinco espéculos auriculares desechables grises de cada uno de los tamaños 2,5 mm y 4 mm.
- En estuche de lujo con apliques aterciopelado. Cierre de seguridad y bisagra de metal. No puede ser más resistente.

praktikant





Conjunto de instrumentos de diagnóstico de luxe®

otoscopio ri-scope®, oftalmoscopio ri-scope®, espéculo nasal ri-scope®, soporte para pala ri-scope®, portalámparas ri-scope®, dos espejos laríngeos nº 3 y nº 4.

- Incluye tubito con cuatro espéculos auriculares reutilizables de 2 mm, 3 mm, 4 mm y 5 mm de color negro y cinco espéculos auriculares desechables grises de cada uno de los tamaños 2,5 mm y 4 mm.

- En estuche de lujo con apliques aterciopelado. Cierre de seguridad y bisagra de metal. No puede ser más resistente.

de luxe®



Retinoscopio ri-scope®

- Disponible como retinoscopio de punto o de raya.
- Dos tarjetas para retinoscopia dinámica.
- En estuche de lujo con apliques aterciopelados y cierres deslizantes de seguridad.



juego de instrumentos ri-scope®





Conjunto de instrumentos de diagnóstico ri-vision®

Combinaciones con retinoscopio de punto o raya y oftalmoscopio ri-scope®.

- Dos tarjetas para retinoscopia dinámica.
- En estuche de lujo con apliques aterciopelados y cierres deslizantes de seguridad.

ri-vision®







Reconocimiento preciso.

Instrumentos dermatológicos



Modernísima microscopía de luz incidente para exploración de la superficie de la piel.

- Especialmente indicada para el diagnóstico diferencial de modificaciones cutáneas pigmentadas, p.ej. melanoma maligno.
- Las capas superiores de la piel se hacen transparentes mediante humectación con aceite de inmersión. Permite evaluar la estructura superficial, el color, la distribución de pigmento y las estucturas no melanocíticas.
- Elección entre lámparas halógenas de alta calidad HL® de 2,5 V o tecnología de lámparas de xenón XL® de 3,5 V.
- Instrumentos (mangos y cabezales) de metal cromado, robusto y duradero.
- Cabezal de los instrumentos estanco al polvo.
- Lupa enfocable de 10 aumentos, para un diagnóstico preciso y unas imágenes ricas en detalle.

ri-derma®

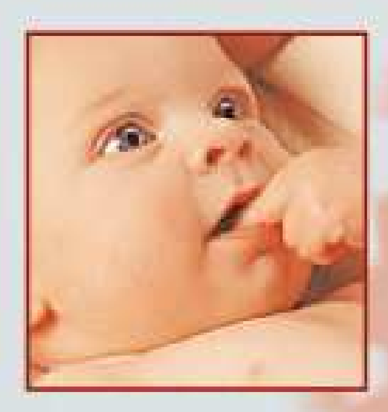


- Dos aditamentos agradables al tacto, uno de ellos con escala de 0 a 10 mm para medir las modificaciones cutáneas y uno sin escala; ambos son esterilizable.
- Protector para gafas.
- Con cierre de bayoneta para colocar rápidamente el cabezal en el mango.
- Sustitución sencilla de la lámpara en la parte inferior del cabezal.
- Permite utilizar todos los mangos y posibilidades de recarga de ri-scope®.
- El amplio manual de instrucciones incluye imágenes detalladas de modificaciones cutáneas e informaciones sobre dermatos-copia.

ri-derma®







Máxima sencillez.

Máxima exactitud.

Termómetros

Termómetros



- También aquí se ha vuelto a unir a la perfección un diseño ergonómico y elegante con unas funciones de gran facilidad de uso.







Un termómetro de infrarrojos con capacidades claramente superiores a las de otros termómetros.

- Excelente termómetro para médicos, clínicas y usuarios finales, con autorización CE 0124: ¡no debe confundirse con los modelos más sencillos, autorizados exclusivamente para usuarios finales y dotados únicamente con el símbolo CE sin número! El desarrollo y fabricación para el ámbito médico y hospitalario están sometidos a unas normas de precisión distintas, mucho más estrictas.

- Tres funciones de medición: además de la temperatura corporal, es posible medir de forma exacta y rápida la temperatura de líquidos (p.ej. el baño o los alimentos del bebé) y la temperatura del aire.

- Medición en 1-2 segundos aprox.

- Pantalla digital para una lectura óptima de los valores medidos en °C o °F.

- Intervalos de temperatura:
  Medición en el oído, siempre con capuchón para sonda
  Intervalo de medición: 35,5°C – 42°C (95,9 °F – 107,6°F).
  Desviaciones máximas: +/-0,2°C (+/- 0,4°F).
  Temperatura de funcionamiento: 16°C -40°C (16,11°C - 75,56°C).

ri-thermo®





Otras mediciones (no en el cuerpo):
Intervalo de medición: 0°C -100°C (0,00°C -135,56°C).
Desviaciones máximas: +/- 1,0°C (1,8°F).
Temperatura ambiente: 5°C – 40°C (41°F bis 104°F).

- Función de memoria para 10 mediciones.

- Capuchones para sonda:
  Por motivos higiénicos y de precisión, para cada medición en el oído debe emplearse un nuevo capuchón para sonda. ¡No debe efectuarse ninguna medición en el oído sin capuchón! En cambio, la medición de la temperatura del aire y de líquidos debe realizarse siempre sin capuchón. En las mediciones de líquidos debe mantenerse una distancia de seguridad de 5 mm entre la sonda de medición y el líquido en cuestión.

- Se incluyen dos pilas alcalinas de manganeso tipo AA 1,5 V, que permiten unas 1500 mediciones.

- Se suministra con 21 capuchones para sonda en un atractivo envase de venta.

- Los capuchones para sonda están disponibles en envases de 40, 100 o 1000 unidades.





Termómetro digital resistente, preciso y fácil de manejar.

- Para la medición oral, rectal y axilar de la temperatura corporal.
- Sensor de temperatura de alta sensibilidad, para mediciones rápidas y precisas.
- Pantalla digital de cuatro dígitos.
- Función de memoria.
- Señal acústica.
- Irrompible y estanco al agua
- Intervalo de medición: 32 ℃ a 43℃ (89,6℉ – 109,40° F).
- Temperatura de funcionamiento: 10℃ a 40℃ (50℉ a 104℉).
- Precisión: +/-0,1℃.

ri-gital®





- Desconexión automática a los 10 minutos
- Incluye pila de botón de larga duración (unas 200 horas).
- Con estuche de plástico

ri-gital®





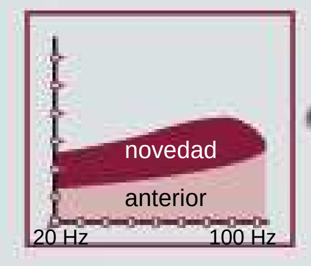
Oír más, sencillamente.

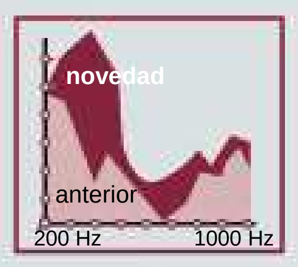
Made in Germany.

Fonendoscopios

Fonendoscopios









- El uso de materiales escogidos y la fabricación esmerada permiten una auscultación perfecta y una vida útil extraordinariamente larga.
- Mejora significativa de las propiedades acústicas gracias a una intensa labor de desarrollo. La generación más reciente de fonendoscopios Riester presenta unas propiedades acústicas extraordinarias en comparación con todos los demás modelos medidos.
- Gran selección: La oferta va desde fonendoscopios cardiológicos hasta fonendoscopios para enfermeras.
- Campanas de precisión fabricadas con métodos CNC, con membranas especiales Riester y anillos de protección contra el frío extraplanos para una mejor adaptación a la piel.
- Olivas intercambiables especialmente blandas, para sellar de forma cómoda y eficaz el conducto auditivo externo.
- Arcos cómodos y flexibles

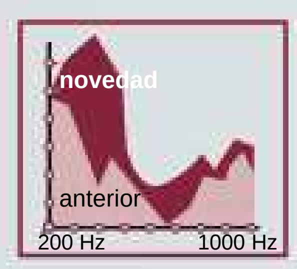




Fonendoscopios









- Sistemas de tubos de alta calidad con excelentes propiedades de conducción del sonido
- Todos los fonendoscopios Riester se suministran con recambios e instrucciones de uso.
- Todos los fonendoscopios Riester tienen 24 meses de garantía.
- Desarrollados y fabricados en Alemania.
- Magnífica relación calidad/precio.







Riester since 1948 Quality

cardiophon®: análisis de frecuencias
Gama de frecuencias bajas 20 Hz -100 Hz máx. 5,9 dB a 100 Hz
Gama de frecuencias altas 100 Hz -1500 Hz máx. 28,3 dB a 320 Hz

Fonendoscopio cardiológico cardiophon®. Una obra maestra de Riester.

- **cardiophon® ofrece unas prestaciones acústicas únicas, especialmente en la gama de frecuencias de 200 Hz a 500 Hz, importante para la auscultación de los tonos cardiacos**.
- Auscultación precisa de adultos y niños.
- Membranas especiales bilaterales, Ø 48 mm y 36 mm, con anillos de protección contra el frío especialmente planos para una mejor adaptación a la piel.
- Arcos anatómicos de acero de alta calidad, con fleje múltiple interior.
- Tubo en Y especialmente resistente de PVC, con vías de conducción del sonido separadas para el oído izquierdo y derecho y excelentes propiedades de transmisión del sonido.
- Longitud total: 72 cm.
- Recambios incluidos: dos pares de olivas de recambio y sendas membranas de recambio.

cardiophon®

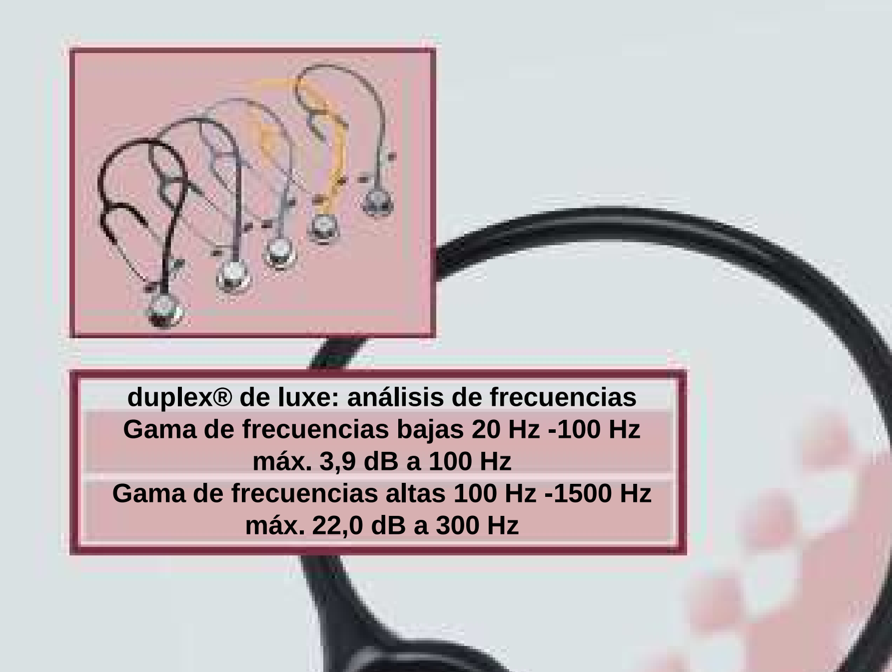


cardiophon®: análisis de frecuencias
Gama de frecuencias bajas 20 Hz -100 Hz máx. 5,9 dB a 100 Hz
Gama de frecuencias altas 100 Hz -1500 Hz máx. 28,3 dB a 320 Hz

- cardiophon® se suministra completo en una atractiva caja-expositor de cartón, con inserto de espuma y recambios.
- Sin látex.
- Color disponible: gris pizarra

cardiophon®





duplex® de luxe: análisis de frecuencias
Gama de frecuencias bajas 20 Hz -100 Hz
máx. 3,9 dB a 100 Hz
Gama de frecuencias altas 100 Hz -1500 Hz
máx. 22,0 dB a 300 Hz

Fonendoscopio de la máxima categoría para auscultación de adultos y niños.

- **Acústica significativamente mejorada en todas las frecuencias relevantes**.
- Campana doble, a elegir entre acero inoxidable de alta calidad o aluminio, muy ligero.
- Membranas especiales bilaterales, Ø 48 mm y 36 mm, con anillos de protección contra el frío especialmente planos para una mejor adaptación a la piel.
- Arco cromado mate con fleje reforzado integrado.
- Longitud total: 77 cm.
- Recambios incluidos: dos pares de olivas de recambio y sendas membranas de recambio.
- duplex de luxe® se suministra en una atractiva caja-expositor de cartón, con inserto de espuma y recambios.
- Sin látex.
- Colores disponibles: negro, gris pizarra, azul, azafrán y verde.

duplex® de luxe



Fonendoscopio de alta calidad con tres campanas dobles diferentes. Para adultos, niños, lactantes y neonatos.

- **Acústica significativamente mejorada en todas las frecuencias relevantes y para todas las aplicaciones.** Consulte los intervalos de frecuencia para los diferentes tamaños de duplex®, duplex® baby y duplex® neonatal.
- Campanas dobles duplex®, duplex® baby y duplex® neonatal de aluminio
- Conector encajable especial Riester para cambiar las campanas de forma rápida.
- Membranas especiales Ø 48 mm, 36 mm, 28 mm, con anillos de protección contra el frío especialmente planos para una mejor adaptación a la piel.
- Campaña pequeña: Ø 36 mm, 28 mm, 24 mm.
- Arco cromado mate con fleje reforzado integrado.
- Longitud total: 79 cm, 78,5 cm, 78 cm.

tristar®



- Recambios incluidos: dos pares de olivas de recambio y sendas membranas de recambio.
- Sin látex.
- tristar® se suministra en una caja-expositor de cartón con inserto de espuma y recambios.
- Colores disponibles: gris pizarra, azul.

tristar®



Fonendoscopio de alta calidad con doble campana. La máxima calidad a un precio interesante.

- **Acústica significativamente mejorada en todas las frecuencias relevantes.**
- Campana doble disponible en tres versiones: acero inoxidable de alta calidad, latón cromado o aluminio anodizado.
- Membrana especial, Ø 48 mm, con anillo de protección contra el frío especialmente plano para una mejor adaptación a la piel.
- Campaña pequeña: Ø 36 mm.
- Longitud total: 77 cm.
- Recambios incluidos: un par de olivas de recambio y una membrana de recambio.
- Sin látex.
- duplex® se suministra en una caja-expositor de cartón con recambios.
- Colores disponibles: negro, gris pizarra, azul, azafrán y verde.

duplex®: análisis de frecuencias
Gama de frecuencias bajas 20 Hz -100 Hz máx. 3,6 dB a 100 Hz
Gama de frecuencias altas 100 Hz -1500 Hz máx. 21,7 dB a 300 Hz

duplex®





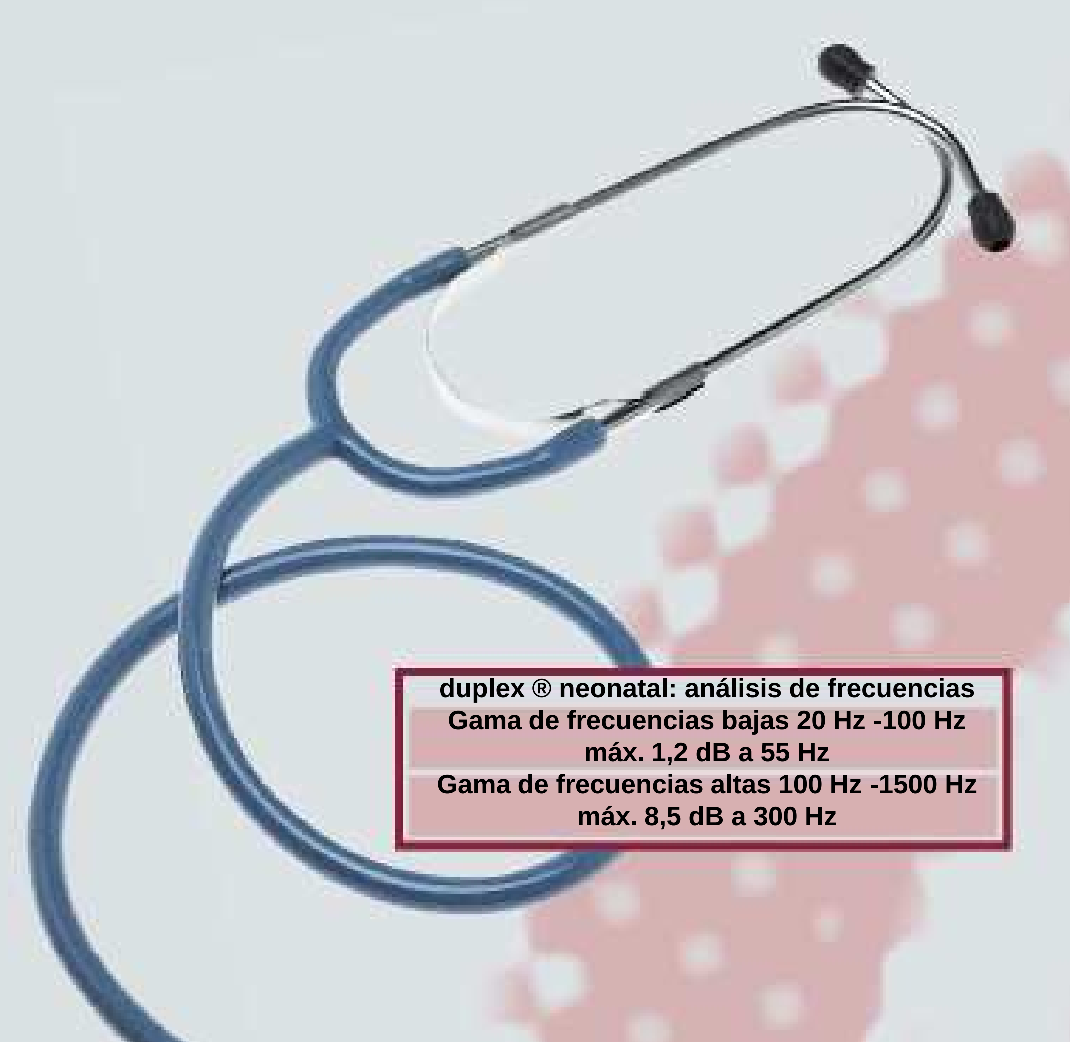
Fonendoscopio de alta calidad con campana doble para niños y lactantes.

- **Acústica significativamente mejorada.**
- Campana de precisión de aluminio especialmente ligera.
- Membrana especial, Ø 36 mm, con anillo de protección contra el frío plano para una mejor adaptación a la piel.
- Campaña pequeña: Ø 28 mm.
- Longitud total: 76,5 cm.
- Sin látex.
- duplex® baby se suministra en una caja-expositor de cartón con un par de olivas de recambio y una membrana de recambio.
- Color disponible: azul

duplex ® baby: análisis de frecuencias
Gama de frecuencias bajas 20 Hz -100 Hz máx. 3,85 dB a 100 Hz
Gama de frecuencias altas 100 Hz -1500 Hz máx. 14,3 dB a 300 Hz

duplex® baby





duplex ® neonatal: análisis de frecuencias
Gama de frecuencias bajas 20 Hz -100 Hz
máx. 1,2 dB a 55 Hz
Gama de frecuencias altas 100 Hz -1500 Hz
máx. 8,5 dB a 300 Hz

Fonendoscopio de alta calidad con campana doble de acabado finísimo para recién nacidos y lactantes.

- **Acústica significativamente mejorada.**
- Campana de precisión de aluminio especialmente pequeña.
- Membrana especial, Ø 28 mm, con anillo de protección contra el frío especialmente plano para una mejor adaptación a la piel.
- Campaña pequeña: Ø 22 mm.
- Longitud total: 76 cm.
- Sin látex.
- duplex® neonatal se suministra en una caja-expositor de cartón con un par de olivas de recambio y una membrana de recambio.
- Color disponible: azul

duplex® neonatal



Fonendoscopio de calidad para enseñanza, con dos arcos y campana doble.

- Campana doble de aluminio, agradablemente ligera.
- Membrana especial, Ø 48 mm, con anillo de protección contra el frío especialmente plano para una mejor adaptación a la piel.
- Campaña pequeña: Ø 36 mm.
- Longitud total: 115 cm.
- Sin látex.
- el fonendoscopio duplex® para enseñanza se suministra en una caja-expositor de cartón con un par de olivas de recambio y una membrana de recambio.
- Color disponible: gris pizarra



duplex® fonendoscopio para enseñanza



Innovador fonendoscopio con campana plana ergonómica para una medición especialmente cómoda de la tensión arterial.
Nivel de calidad extraordinariamente elevado a un precio económico.



- **Acústica significativamente mejorada.**
- Manejo ergonómico gracias a la novedosa forma de la campana de aluminio, que puede deslizarse fácilmente bajo el brazalete.
- Membrana especial, Ø 48 mm, con anillo de protección contra el frío especialmente plano para una mejor adaptación a la piel.
- anestophon® se suministra en una caja-expositor de cartón con un par de olivas de recambio y una membrana de recambio.
- Sin látex.
- Longitud total: 77 cm.
- Colores disponibles: negro, gris pizarra, azul, azafrán y verde.

anestophon®: análisis de frecuencias
100 Hz -1500 Hz
máx. 15,5 dB a 300 Hz



anestophon®



Fonendoscopio universal con campana doble y sistema de doble tubo.
Para todos los intervalos de frecuencia.

- Tubo doble de gran resistencia con vías de conducción del sonido independientes, para unas excelentes propiedades de transmisión del sonido.
- Con tubo de 40 u 80 cm de longitud.
- Campana doble cromada.
- Membranas especiales con estructura superficial Ø 45 mm y campana pequeña Ø 30 mm; cambio sencillo de membrana a campana pequeña mediante uniones roscadas.
- Arcos cromados con olivas duras.
- Caja de recambios: tres campanas pequeñas (Ø 33,5 mm, 27,3 mm, 20,3 mm), sendas membranas transparentes, un par de olivas de recambio blandas.
- Sin látex.
- ri-rap® se suministra en una caja-expositor de cartón con inserto de espuma y recambios.
- Colores disponibles: negro, azul, verde, rojo.

ri-rap®





Fonendoscopio clásico de alta calidad con campana plana para medición de la tensión arterial.

- Disponible en dos versiones con campana Ø 40 mm o 50 mm.
- Membrana sensible para una magnífica acústica.
- Arcos cromados de alto brillo, desmontables, con olivas duras.
- Tubo de látex con pieza en Y
- Longitud total: 63 cm.
- Suministro en caja de cartón
- Color: negro.

bowles





Fonendoscopio especial para escuchar los tonos cardiacos del embrión en el seno materno.

- Diadema flexible de acero inoxidable, con acolchado interior para mayor comodidad.
- Campana Ø 27 mm de acero inoxidable, unida directamente a la diadema.
- Arco metálico cromado con dos olivas de plástico duras de color negro.
- Sin látex.
- Suministro en caja de cartón

de lee hillis



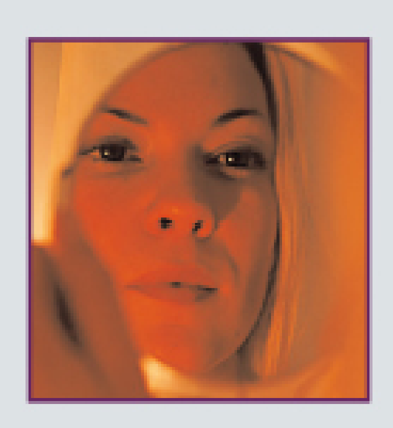
Fonendoscopio especial económico para escuchar los tonos cardiacos del embrión en el seno materno.

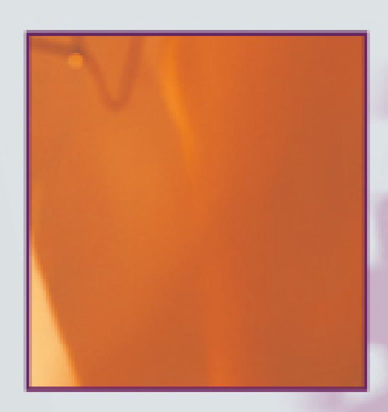
- De plástico o aluminio.
- Su forma especial permite una excelente transmisión de los tonos cardiacos del embrión.
- Suministro en caja de cartón.



pinard







Ayuda flexible para el **trabajo diario.**

Espejos frontales, lámparas frontales y lámparas de exploración

Espejos frontales, lámparas frontales y lámparas de exploración







- Amplia selección de espejos y lámparas frontales, desde versiones halógenas de alta calidad hasta lámparas de vacío sencillas para mercados sensibles al precio.
- Fabricación de gran calidad.





Reflexión perfecta de la luz con espejos ri-clar®.

- A elegir entre la versión Ø 55 mm o Ø 100 mm con lámparas halógenas de 7 V, para una luz brillante y uniforme.
- Intensidad luminosa regulable mediante el interruptor selector en el cable.
  Nivel 0: apagado.
  Ø 55 mm
  Nivel 1: máx. 15.000 lux a 400 mm de distancia.
  Nivel 2: máx. 40.000 lux a 400 mm de distancia.
  Ø 100 mm
  Nivel 1: máx. 30.000 lux a 400 mm de distancia.
  Nivel 2: máx. 80.000 lux a 400 mm de distancia.
- La resistente articulación esférica de metal permite girar el espejo en todas las direcciones.
- Portalámparas ajustable manualmente para reglar de forma óptima la reflexión de la luz.
- Adaptación sencilla de la cinta frontal a la anatomía de la cabeza. Se sujeta girando el tornillo de fijación.

ri-clar®





- La cinta frontal se ajusta cómodamente gracias a la protección suave de espuma en la zona de la frente.
- Solución óptima para los cables eléctricos en la parte externa de la cinta frontal, para trabajar sin obstáculos.
- Sustitución rápida de los cabezales de lámpara mediante dispositivo deslizante en la parte frontal.
- El conector rápido para conectar al transformador el cable de la lámpara frontal permite empezar a trabajar rápidamente.
- Disponible con transformador para 230 V o 120 V.
- Suministrado en maletín de plástico resistente.



ri-clar®



Iluminación óptima sin diafragma para todas las exploraciones.

- Posición de la lámpara ri-focus® encima de la frente, o en el caso de ri-focus® reverse entre los ojos.
- Luz brillante y uniforme con lámpara halógena de 8 V.
- Disipador de calor integrado para mayor comodidad del paciente.
- La lente enfocable situada en la parte frontal del cabezal de la lámpara permite ajustar exactamente el tamaño y nitidez del campo de exploración iluminado.
- Intensidad luminosa regulable mediante el interruptor selector en el cable.
  Nivel 0: apagado.
  Nivel 1: máx. 4.500 lux a 400 mm de distancia.
  Nivel 2: máx. 10.000 lux a 400 mm de distancia.
- La resistente articulación esférica de metal permite girar el espejo en todas las direcciones.

ri-focus®, ri-focus® reverse



- Solución óptima para los cables eléctricos en la parte externa de la cinta frontal, para trabajar sin obstáculos.
- La cinta frontal se ajusta cómodamente gracias a la protección suave de espuma en la zona de la frente.
- Sustitución rápida de los cabezales de lámpara mediante dispositivo deslizante en la parte frontal.
- El conector rápido para conectar al transformador el cable de la lámpara frontal permite empezar a trabajar rápida-mente.
- Disponible con transformador para 230 V o 120 V.
- Suministrado en maletín de plástico resistente.

ri-focus®, ri-focus® reverse



El práctico conjunto completo.

- Conjunto práctico formado por lámpara frontal ri-focus® y espejos frontales ri-clar® Ø 55 mm y Ø 100 mm.
- Con maletín de plástico resistente.

ri-special®



Espejo frontal económico con Ø 90 mm o Ø 100 mm.

- La articulación esférica permite girar el espejo en diferentes direcciones.
- Adaptación sencilla al perímetro craneal mediante hebilla lateral en la cinta frontal.
- Suministro en caja de cartón





Espejos frontales económicos con Ø 55 mm o Ø 100 mm, con lámpara de vacío.

- La articulación esférica permite girar el espejo en diferentes direcciones.
- Portalámparas ajustable manualmente para reglar de forma óptima la reflexión de la luz.
- Adaptación sencilla al perímetro craneal mediante tornillo de fijación lateral en la cinta frontal.
- Versiones:
  versión de 3 V con mango para pilas tipo C, para dos pilas tipo C, con reostato para regular la intensidad luminosa.
  versión de 6 V sin mango para pilas, con clavija de dos polos para conexión directa a la pila.
- Suministro en caja de cartón

clar



normalux

- Lámpara frontal económica con lámpara de vacío.
- La articulación esférica permite girar el espejo en diferentes direcciones.
- Adaptación sencilla al perímetro craneal mediante tornillo de fijación lateral en la cinta frontal.
- Versiones:
  Versión de 2,5 V con mango para pilas tipo C, para dos pilas tipo C, con reostato para regular la intensidad luminosa.
  Versión de 6 V sin mango para pilas, con clavija de dos polos para conexión directa a la pila.
- Suministro en caja de cartón

novalux

- Versión de 6 V con transformador de 230 V o 120 V.
- El resto de las características son iguales a las de normalux.



Iluminación perfecta y flexible en consultorios y clínicas.



- Luz halógena concentrada de color neutro, de 8 V, ideal para exploraciones e intervenciones menores.
- Dispositivo de enfoque en la parte frontal del cabezal de la lámpara para ajustar exactamente el tamaño y nitidez del campo de exploración iluminado.
- Con disipador de calor integrado para mayor comodidad del paciente.
- Reostato de fácil manejo situado en el mango para regular la intensidad luminosa.
- El brazo especial de gran longitud y alta flexibilidad puede flexionarse en cualquier dirección que se desee. La lámpara permanece fija en la posición elegida.
- Intensidad luminosa regulable con el reostato lateral.
- Disponible como modelo de sobremesa, de pared o modelo de pie con pie estable de peso elevado con cinco ruedas, dos de ellas bloqueables. Gracias a la práctica abrazadera universal, el modelo de pared también puede fijarse fácilmente a barras de pared en clínicas y hospitales.

ri-magic®





Higiene y sencillez.

laringoscopios





Laringoscopios de alta calidad con o sin fibra óptica.

- Duraderos, en acero inoxidable
- Gran selección de mangos y posibilidades de carga.
- Posibilidad de combinaciones de instrumentos individualizadas. Se suministran en una bolsa especial para laringoscopio.
- Todas las palas y mangos pueden encargarse por separado. Están disponibles las siguientes versiones y tamaños:
  - palas mc intosh nº 0 a 4
  - palas miller nº 00 a 4
  - mc intosh toplight® de 0 a 4
  - miller toplight® de 00 a 4
- Gran selección de fuentes de electricidad.

laringoscopios





- Desinfección y esterilización
  Todas las palas pueden limpiarse en aparatos automáticos de limpieza o desinfección. No deben superarse los 65°C. Las palas para luz cálida pueden esterilizarse en autoclave durante 3 minutos a 134°C, y las palas para luz fría durante 10 minutos a 134°C.

- Sustitución rápida y sencilla de las lámparas.





Juegos de laringoscopios de alta durabilidad con iluminación estándar (lámpara de vacío), sin fibra óptica.

- Juegos para adultos mc intosh o miller, equipados respectivamente con palas nº 2, 3, 4.
- Juegos para niños y lactantes mc intosh baby o miller baby, equipados respectivamente con palas nº 0, 1, 2.
- Elección entre las siguientes fuentes de electricidad:
  - Mangos para pilas AA.
  - Mangos para pilas C.
  - Mango para enchufe de red 230 V o 120 V con batería recargable ri-accu®.
  - Cargador ri-charger® 230 V o 120 V para pilas con baterías recargables ri-accu®.









Laringoscopios toplight de excelente acabado con iluminación halógena y fibra óptica.

- Juegos para adultos mc intosh o miller, equipados respectivamente con palas nº 2, 3, 4.

- Juegos para niños y lactantes mc intosh baby o miller baby, equipados respectivamente con palas nº 0, 1, 2.

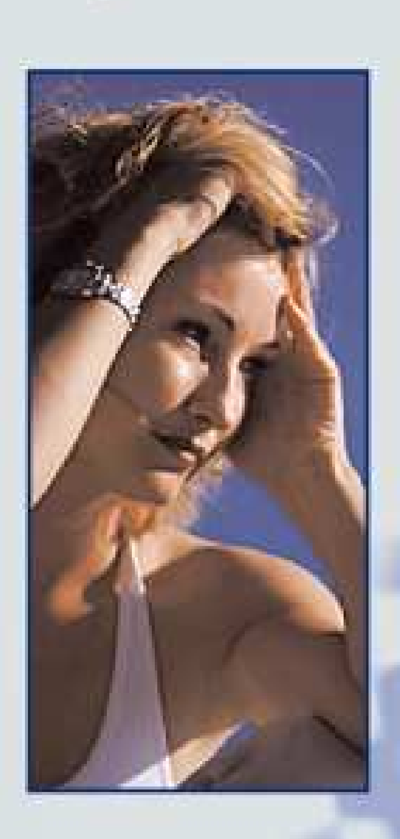
- Elección entre las siguientes fuentes de electricidad:
  - Mangos para pilas AA.
  - Mangos para pilas C.
  - Cargador ri-charger® 230 V o 120 V para pilas con baterías recargables ri-accu®.











Material de primera

para una higiene superior.

Instrumentos ginecológicos



Espéculos Riester de calidad. Fiables y duraderos.

espéculo vaginal graeve

Exterior pulido, disponible en tres tamaños (82 mm x 21 mm, 109 mm x 35 mm, 130 mm x 37 mm).

espéculo vaginal cusco

Exterior mate, disponible en cuatro tamaños (vírgenes 81 mm x 18 mm, 76 mm x 31,5 mm, 90 mm x 35 mm, 102 mm x 37 mm).

- Ausencia de reflejos gracias al acabado mate de las caras internas
- En acero inoxidable tipo 18/8
- Esterilizable en autoclave hasta 134°C
- Cada espéculo se suministra en una caja de cartón

graeve, cusco, speculight

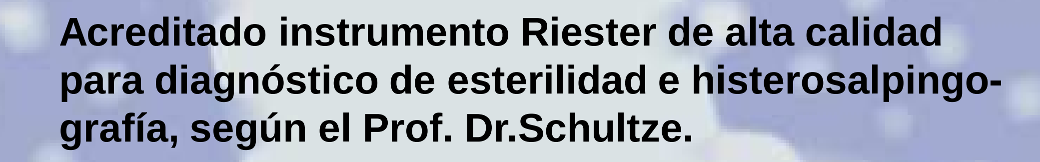


speculight

- De la iluminación adecuada se encarga speculight: el complemento óptimo para todos los espéculos vaginales.
- Mango para pilas C, cromado
- Para 2 pilas tipo C
- Cable de 85 cm de longitud con pinza de fijación e iluminación estándar (vacío) de 2,5 V
- Intensidad de luz regulable de forma continua mediante el reostato
- Suministro en caja de cartón







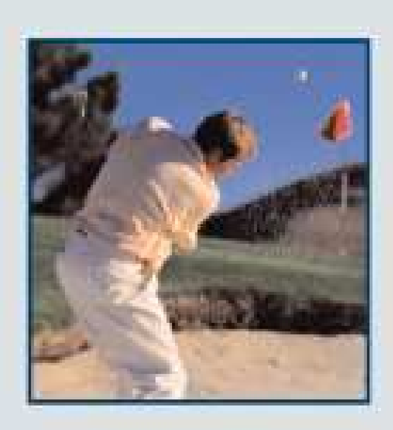


Acreditado instrumento Riester de alta calidad para diagnóstico de esterilidad e histerosalpingografía, según el Prof. Dr.Schultze.

- Para una visualización precisa de la cavidad uterina y las trompas de Falopio mediante radiografía de contraste. Comprobación sencilla de la permeabilidad tubárica.
- Manómetro de calidad con intervalo de indicación de 0 a 200 mm Hg y medición por pasos de 10 mm Hg
- Excelente mecánica de precisión con partes metálicas cromados
- Gracias a la escala fluorescente, el aparato también puede emplearse en la oscuridad
- Generación de presión mediante jeringa de 20 cc con conexión Luer-Lock
- Incl. 3 conos para sellado del útero en tamaños pequeño, mediano y grande
- Soporte para dos pinzas uterinas
- Completo en estuche de algodón de alta calidad con apliques aterciopelados grises

salpingógrafo







Calidad que dura.

Martillos de percusión

Martillos de percusión

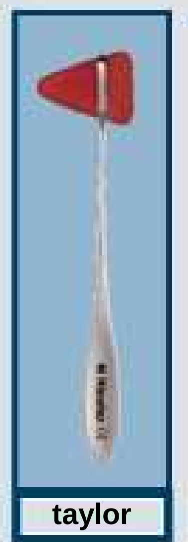




Riester ofrece una gama completa, desde las versiones más sencillas hasta el martillo de percusión buck con la máxima calidad.

- Fiables y resistentes.
- Comprobación precisa de los reflejos.
- Todos los martillos vienen en una bolsa protectora de PE.









troemner

babinsky



Amplia gama de martillos de percusión fiables y resistentes.

taylor
Mango de acero inoxidable, 20 cm

buck
Acabado de altísima calidad, cromado, con aguja y pincel, 18 cm.
Made in Germany.

dejerine
Mango cromado con aguja, 21 cm

dejerine
Mango cromado sin aguja, 21 cm

troemner
Mango de acero inoxidable, 230 g, 25 cm

troemner
Mango de acero inoxidable, 180 g, 25 cm



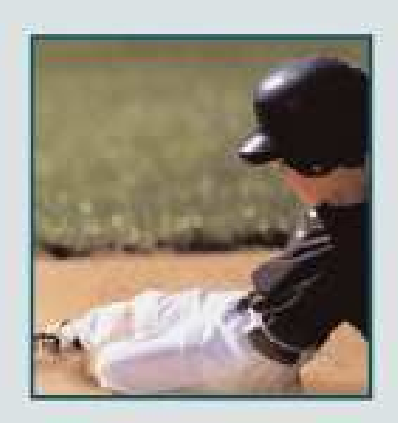


babinsky
Mango cromado, 2 roscas en la cabeza del martillo para introducir el mango de forma lateral o recta, 24 cm.

berliner
Mango de acero inoxidable, 20 cm

queens
Mango de plástico, 35 cm







Fiables, para toda la vida.

Aparatos de punción



Punción lumbar según el profesor K. Eskuchen. ¡Calidad de confianza!

- Para punción medular y medición de la presión del líquido en punciones medulares.
- Manómetro cromado
- Membrana endurecida especial de cobre-berilio
- Sin fijación del punto cero
- Escala de aluminio de 49 mm fácilmente legible de 75 mm Hg hasta –22,5 mm Hg.
- En estuche de lujo con apliques aterciopelados
- lumbal-Boulitte se suministra con dos tubitos de vidrio, lumbal-Claude sin tubitos de vidrio.

lumbal



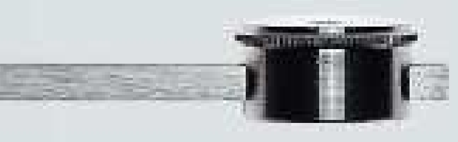


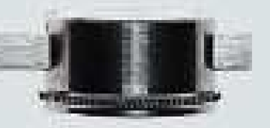


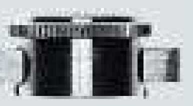
Calidad duradera
en la que puede usted **confiar**!

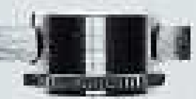
Diapasones











Con los diapasones de Riester marcará usted el tono!

Riester cuenta con la mayor oferta de diapasones y juegos de diapasones de altísima calidad para otorrinos y neurólogos. Los materiales escogidos y el perfecto mecanizado garantizan la máxima funcionalidad y fiabilidad, por muchísimo tiempo.

- Materiales de primera: acero niquelado o aluminio
- Gran selección de distintas frecuencias: de 64 Hz a 4096 Hz.
- Diapasones con y sin sordina.
- Diapasones con y sin peana para las diversas necesidades de la práctica diaria en el consultorio y la clínica.



1

2

3

4

5

6

Para otorrinos – con sordinas.

Las deficiencias auditivas pueden presentar numerosísimas formas diferentes. Para un diagnóstico correcto es necesario realizar un análisis auditivo detallado. Estos manejables diapasones sirven para comprobar exactamente la capacidad auditiva. Las sordinas de mecanización perfecta y ajuste preciso proporcionan el tono exacto.

1. C 64 Hz, acero, Hartmann

2. c 128 Hz, acero, Hartmann

3. c 128 Hz, aluminio, Hartmann

4. C_{-1} 32 Hz, acero, French

5. c1 256 Hz, acero, Hartmann

6. c1 256 Hz, aluminio, Hartmann

Diapasones con sordina



7

8

9

10

11

12

13

14

Para otorrinos – sin sordinas.

En Riester, la exigencia de la máxima calidad es lo más importante. Los materiales de primera y el cuidadosísimo mecanizado de los diapasones Riester son la garantía de un sonido puro. ¡Nunca se desafinarán!

7. c2 512 Hz, acero, Hartmann

8. c2 512 Hz, aluminio, Hartmann

9. c3 1024 Hz, acero, Hartmann

10. c31024 Hz, aluminio, Hartmann

11. c4 2048 Hz, acero, Hartmann

12. c4 2048 Hz, aluminio, Hartmann

13. c5 4096 Hz, acero, Hartmann

14. c5 4096 Hz, acero, Hartmann, con peana

Diapasones sin sordina



Para otorrinos y neurólogos.

Estos prácticos diapasones permiten exploraciones rápidas y sencillas.
Para el neurólogo, el diapasón de Rydel-Seiffer constituye una ayuda imprescindible. Permite diagnosticar de forma clara una disminución de la sensibilidad a las vibraciones, evaluar el grado de palestesia y detectar polineuropatías

15. a1 440 Hz, acero, con peana

16. C 64 Hz / c 128 Hz, acero, sordina desmontable, con peana, Rydel-Seiffer



Diapasones para neurólogos y otorrinos.



Juegos

Estos juegos de diapasones en prácticos y atractivos estuches de madera o plástico son combinaciones estudiadas para realizar pruebas auditivas detalladas. Le permitirán tener siempre a mano las frecuencias más importantes.

Juego I 8 diapasones de acero (nº 5163, nº 5160, nº 5161, nº5164, nº 5166, nº 5168, nº 5170, nº 5172) en estuche de madera

Juego II 5 diapasones de acero (nº 5161, nº 5164, nº 5166, nº 5168, nº 5170) en estuche de plástico

Juego III 5 diapasones de aluminio (nº 5162, nº 5165, nº 5167, nº 5169, nº 5171) en estuche de plástico







Bien pensados, con seguridad.

Productos de venostasis



Rápido y sencillo.
Dispositivo de venostasis perfecto para extracción de sangre.

- Venostasis sencilla tirando de la cinta.
- Desbloqueo sencillo en la pinza.
- Evita pellizcos desagradables en el vello.
- Diseño atractivo.
- Color a juego con otros productos Riester.
- Higiénico al poderse desinfectar con los medios habituales o en autoclave a 120°C/1 bar.
- Disponible en versiones con y sin látex!



ri-clip®



Aparato clásico para evacuar la sangre de las extremidades en amputaciones.



- Manómetro de gran precisión y durabilidad para un control exacto de la presión hasta 700 mm Hg.
- Robusta bomba metálica para generación de presión
- Vaciado del aire del brazalete mediante una válvula de purga de aire de regulación fina, sin envejecimiento, situada junto al manómetro.
- Incluye brazalete para brazo 57 cm x 9 cm y brazalete para muslo 96 cm x 13 cm.
- Disponible opcionalmente: brazalete infantil 28 cm x 6 cm.
- Todos los brazaletes están realizados en material lavable y desinfectable
- Sin látex.

torniquete neumático







Seguridad y sencillez garantizadas.

Aparatos de medición de la presión pulmonar



Medición exacta y sin agua de la capacidad pulmonar.
También para usuarios finales.

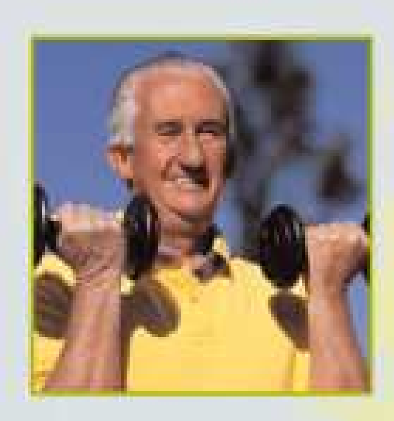


- Moderna carcasa de plástico de color azul
- Intervalo de medición de 1.000 cm^3 a 7.000 cm^3.
- En caja de cartón con 50 boquillas desechables de plástico.
- Para chequeos deportivos y prevención sanitaria en consultorios o en el hogar
- Recambios:
  50 boquillas desechables de plástico.
  1.000 boquillas desechables de cartón.

spirotest®







La salud,
firmemente en sus manos.

Dinamómetros



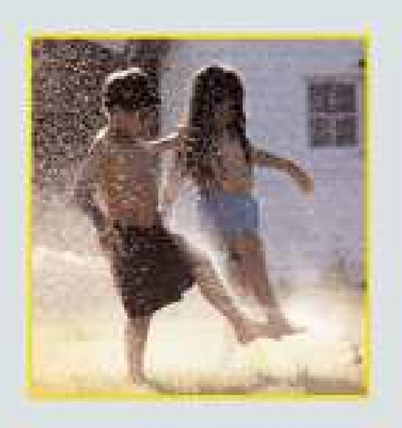
Entrenamiento y medición de la fuerza de la mano, con toda facilidad. Para afecciones reumáticas o lesiones deportivas.

- Moderno aparato de sobremesa con carcasa de plástico.
- Escala fácilmente legible de 0 a 1,0 bar.
- Pera de plástico blando de color negro.
- Válvula cromada de purga de aire.
- Con tres pelotas blandas de color amarillo para la terapia del paciente.
- Suministrado completo en caja de cartón.



dynatest®







Fiabilidad duradera.

Aparatos para infusión venosa a presión



Fiabilidad y durabilidad. Para una infusión venosa a presión óptima.

- Brazaletes de presión con manómetro para generación de presión.
- Para soluciones o bolsas de sangre de 500 ml, 1.000 ml, 3.000 ml o 5.000 ml.
- Brazalete de algodón resistente de color azul, con lazo para colgar del soporte de infusión, lavable hasta 60°C
- Lectura precisa del nivel de líquido en la bolsa gracias a la redecilla transparente del brazalete
- Manómetro cromado con escala de aluminio Ø 49 mm fácilmente legible, hasta 300 mm Hg
- Membrana endurecida especial de cobre-berilio
- Sin fijación del punto cero
- Bolsa de látex resistente a la presión
- Pera de bombeo sin látex
- metpak® también está disponible en versión sin látex.

metpak®







Resistentes y precisos.

Instrumentos veterinarios



Instrumental veterinario profesional de alta calidad.



- Elección entre lámparas halógenas de alta calidad HL® de 2,5 V o tecnología de lámparas de xenón XL® de 3,5 V.
- Otoscopio quirúrgico ri-scope®, metálico, duradero, de diseño abierto para la introducción óptima de instrumentos.
- Lente orientable de 2,5 aumentos.
- Oftalmoscopio ri-scope® de plástico altamente resistente reforzado con fibra de vidrio (características comparables al acero).
- Lentes correctoras de –35 a + 40 dioptrías.
- Diafragmas: círculo pequeño, círculo grande, semicírculo, estrella de fijación, ranura y rombo.
- Filtros: filtro exento de rojo, filtro azul, filtro de polarización.

vet I

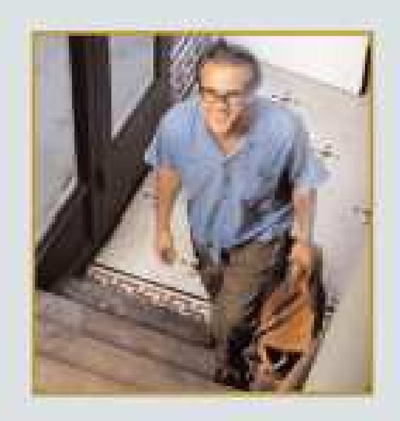




- Cualquier filtro puede combinarse con cualquier lente.
- Dispositivo de enfoque para optimizar la nitidez.
- Soporte para pala
- Espéculo nasal, posibilidad de expansión rápida o lenta.
- Cinco espéculos auriculares, dos de ellos con ranura para facilitar la introducción de instrumentos.
- En estuche de lujo con apliques aterciopelados.
- Todas las posibilidades de mangos y recarga de la línea ri-scope®.

vet I







Orden en un instante.

Maletines y bolsos de médico



Maletines de médico equipados con diferentes combinaciones a precios ventajosos.

med-kit® I

- Tensiómetro precisa® N de plástico/metal, o alternativamente con tensiómetro ri-san® (gris pizarra, azul, azafrán o verde).
- Fonendoscopio duplex® de aluminio con recambios.
- Lámpara de diagnóstico fortelux® N.
- Martillo de percusión buck con recambios.

med-kit® II

- Tensiómetro precisa® N de plástico/metal.
- Otoscopio uni® I con mango C.
- Fonendoscopio duplex® de aluminio con recambios.
- Lámpara de diagnóstico fortelux® N.
- Martillo de percusión buck con recambios.



med-kit® III

- Tensiómetro precisa® N de plástico/metal.
- Otoscopio F.O. ri-scope®
- Oftalmoscopio ri-scope®
- Mango para pilas tipo C
- Fonendoscopio duplex® de luxe de acero inoxidable con recambios.
- Lámpara de diagnóstico fortelux® N.
- Martillo de percusión buck con recambios.
- Diapasón C128 de aluminio con sordinas.